SEQUENCE LISTING

<110> Williams, Lewis T.
Escobedo. Jaime
Innis, Michael A.
Garcia, Pablo Dominguez
Klinger, Julie
Reinhard, Christoph
Randazzo, Filippo
Kennedy, Giulia C.
Pot, David
Lamson, George
Drmanac, Radoje
Crkvenjakov, Radomir
Dickson, Mark
Drmanac, Snezana
Labat, Ivan
Leshkowitz, Dena
Kita, David
Garcia, Veronica
Jones, William Leé
Stache-Crain, Birjit

<120> NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS

<130> 200130.512

<140> US
<141> 2000-06-30

<160> 3351

<170> FastSEQ for Windows Version 3.0

<210> 1
<211> 415
<212> DNA
<213> Homo sapien

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agtgaacctg tagactagtc cagtaatact tattaaaatt agttgttaga ggctgggcat 180
ggtggttcaa gcctgtaatc tcagcactgt gggaggccaa ggcggacaga tcactcagag 240
tcagaagttc gagaccagct tggccaacat ggcaaaaccc tgtctctact aaaaatacaa 300
aaattagttg ggtgtggtgg cacatgcctg taatcccagc cactcgggag gtgaaggcac 360
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<210> 2
<211> 225

<212> DNA
<213> Homo sapien

<220>
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<222> (1)...(225)
<223> n = A,T,C or G

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agagagagag agagagagag agaaagacag agagagacag gatgaatagt ataaaagagg 180
gggggctaga gaaagagaga aggaaaaaag agagaaaaaa aaagc 225

<210> 3
<211> 437
<212> DNA
<213> Homo sapien

<400> 3
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atcagtgatg tcatagaaat tacatgaatg catttgcttt aaatagcagt taaccattgt 420
atatggggcg ttttgct 437

<210> 4
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<212> DNA
<213> Homo sapien

<400> 4
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actaacccca gggaatcctt taaagggaaa ggggggggaag ggttgtcaaa ccccgggggg 300
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<213> Homo sapien

<220>
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tgaggcagag gcaggagaat ggtgtgaacc tgggagacgg aggttgtggt gagccgagat 180
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gggctttttt ttttttgga cccctttaa ggcggaaaaa cctgttaacc acaaatttgg 420
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<210> 6
<211> 404
<212> DNA
<213> Homo sapien

<400> 6
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gagagagaga gagagttttt ttttttttt taaaaaaata ttttttttt tgcgcgcaca 240
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<210> 7
<211> 358
<212> DNA
<213> Homo sapien

<400> 7
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tttttacttt gacacataca gacttcaata tcacattcgt atgcaccacg ctatatggga 240
gaatatctgt caagactcat gagttgttat gtatagagtg cttaaattgt ggacatataa 300
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<210> 8
<211> 403
<212> DNA
<213> Homo sapien

<220>
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<222> (1)...(403)
<223> n = A,T,C or G

<400> 8

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ctctcacagg gggggagata tatacanatc tttttatgga ggcgcgctca ttttcccctc 240
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ggggggcccc catacccccca caccccctct atttatgtgg gccgcccccc acactataat 360
aaaaaaaatt ttgggccccc ccccaaatat cttttttttt cct 403

<210> 9
<211> 390
<212> DNA
<213> Homo sapien

<400> 9
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aacttgcgag agggaggggg aggggtacct aggttctcct aacttgtgac acggcgcaga 180
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gaaaatactc tttttgtgaa attcgcgaac 390

<210> 10
<211> 371
<212> DNA
<213> Homo sapien

<400> 10
cgttgctgtc ggtcaccagg gaccttgcct gagaatattt tccggtggta tttcttggtt 60
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ttcaacaagt ttttggcgaa caggtggtgt ttggttacat gaataagctc tttagaggtg 240
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<210> 11
<211> 428
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(428)
<223> n = A,T,C or G

<400> 11
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gacaaaaaca cagcgcgccg cccgatctct atattgtgtg tctccacaca tcaggggggg 180
ggagagacac acacacacac gagatatgtg tgtgtgtgtg tctctatcat gtatctctct 240

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cgcgcgggag agacacatat attctgacgc gcgtgcgctg tgtatatata tcttcgcgcc 360
acaggcgcgc ccacagagag aaaaacctnt actcacaaac cacctttggg gtgaggtggt 420
tttaaaan 428

<210> 12
<211> 437
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(437)
<223> n = A,T,C or G

<400> 12
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tgatccaccc acctcagcct ccaaaagtgc taggattaca ggcatgagcc accgcgcctg 120
gcctgtctaa tcttttattt aatgcatcta ggctcctcct ttcttccttc atggnttcct 180
ttttcctact tccctatctc gntttctttc cttcttttca tttacagaga aatggtgtta 240
gaaatgaatg agaggagtga gcaaagaaag atgagggaaa aatagatgtg ttaaggagta 300
tacgcataaa gaaaagaggc caggaggaaa agctgttcac cccgactccc atcctaatct 360
tgcgtagtct ttcgttttct gagaataagt aggtcagaag gtacaggaga aactttcttg 420
gaatacacaa aaggaac 437

<210> 13
<211> 389
<212> DNA
<213> Homo sapien

<400> 13
tacggttgcg agaagacgac agaagggctt cttcattttt gaattgagag taataatatt 60
ctgccttgtt ggaataatat aagaatgata tgatgatacc tttttacata atacctacca 120
aatatcaggt gctgaaaaaa atttggctcc tgtttctttc catgtctgtc acgaacgcag 180
aagctagata tttgtcctaa cacattaagt ggaaaggtaa atgaaactta tctgctttcc 240
tctagccctt tcttttcagt caggcaatgc tgattatgac tagataattt taagatgtga 300
gtatattcat tgaatctcag ctgtgtaaac tatataacaa gtatgtgaag gcaaaatgga 360
gccgatcctt ttgataacct gatttatag 389

<210> 14
<211> 428
<212> DNA
<213> Homo sapien

<400> 14
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gcctagtttt ttaagcacaa tagcaaaacc atcagctctg tattttctcc tgttatttca 120
ttacagtagc tgcttgtggg aactaggaaa aattcttcca acatatttta aggcctaaaa 180
tcttagttcc ccattctcct accttataga ttcacaggcc tttctcgcct aggcatcata 240
gataaacgta attgtttggg gagttgaatt taatgaactt atctaacttt gtaacccatc 300
ttggctttag taactttatc aaggtggtgg ctttaatgaa tataatggta aactttagag 360

gacgctaaag cctcctttta tagcgcttct caacggtagg gagagctgaa gggaaaacat 420
tctgactg 428

<210> 15
<211> 368
<212> DNA
<213> Homo sapien

<400> 15
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ggggagagtt agaagccagc cacccaatta gtgacttgca caaaacccag tgaattaagt 120
acacttgaca aataccaaat gacacatttt tgtgccagac cagagcaagg agaaggctgt 180
tctgacccaa cagaaagggc tccccagggc agtgttttcc taacttccct gtgaatggga 240
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caagaaat 368

<210> 16
<211> 400
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(400)
<223> n = A,T,C or G

<400> 16
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ttatttttt ctttttttg ttgaagatga gtgggggnga aacaagccct tccccttctt 360
tccccccctt tttttttct gtggttctct tctccccccg 400

<210> 17
<211> 429
<212> DNA
<213> Homo sapien

<400> 17
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gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga ttttttttt 120
ttttctctct atacacgcgc ccccgcgcgc gcgtgtgtgg gggggaccc ccataactca 180
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tacacacact ctctctctcc cgcccctcct ccctgagatc gagcgcattg atctctctgt 360
gcgctctaga gacactccct gggtctctcc ccccccccc ccccccccc tctctgtgct 420
cttatgtct 429

<210> 18
<211> 408
<212> DNA
<213> Homo sapien

<400> 18
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gagtccaccc ctgacattgc tgttctggcc ttcagctgat cacagctaga aactgtcggt 120
aacattagca ctaagcgcta ataaccatta aaacagatga ccatttacca agcccctact 180
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<210> 19
<211> 390
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(390)
<223> n = A,T,C or G

<400> 19
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ctgggctgtt tgtcccatgg cttcccacag tgtagatttt gctgaccacg tggtcatggt 120
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aaaatggggg attctcattc tggcgtttgg cttgctttat tagctggaat gggtttctaa 360
gaaagggttt ctttttttata cttatctcgg 390

<210> 20
<211> 402
<212> DNA
<213> Homo sapien

<400> 20
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acgggggcgg ggtgtggggg tgtatataac tctccctct tc 402

<210> 21
<211> 391
<212> DNA
<213> Homo sapien

<400> 21
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cggatcatga ggtcaggagt ttgagatcac g 391

<210> 22
<211> 400
<212> DNA
<213> Homo sapien

<400> 22
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taccaagaga aaaaaaaaaa gcagagcatt atgtaagttt ccttaaaaag acatgatcac 120
ctctcaaatt tcatctctcc tagggataat aaataatgca ctgcacaata cttaatgacc 180
aaaatacctt ttgacacacc tgtataacat gacttgaact ttttttttg ctaccctatg 240
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accacttgtc aaaagtttta aacacttgac cgggaacggg gccggggtat ccatcatttc 360
catggtttcc tatttcatcc cccccatcag gggagtctac 400

<210> 23
<211> 398
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(398)
<223> n = A,T,C or G

<400> 23
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cctctcaacc taattgccag tccaacaact aagagtgaaa gattccctag catttcatta 360
aatctattcc tgattcaaca agtggcagaa tcttgcat 398

<210> 24
<211> 394
<212> DNA
<213> Homo sapien

<400> 24
ggcacgaggg ccagcctgtg tcaggggcag cccaccaagt taactcactg agtggaagcc 60
gccagtgtgc caacgcggag gggacaggcc acacccagtg ctcagcagct gattcctcat 120

gtaagtggca tcatgtggta tttgttttgt gtctggctta tttctattaa cataatgttc 180
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ccacattttc ttaccaatcc gtccaccaat agacacttag gtcgttttca tagtttggca 300
gttgtggaaa tgctgcagta aacatgggag tatagctatc ttttgaagat aatgatttca 360
tctctttttt atatgtatac ccagaagtgg gatt 394

<210> 25
<211> 388
<212> DNA
<213> Homo sapien

<400> 25
ggcacgagcg ggcgtccagg ctggagctcc cagtgctggg aagccaagac ctgagcgata 60
tcccattgcc ggaaccatct ttgcttctgc tcacaccctc ctggtcggcc attcaatcaa 120
caaactctag ccagccccgg ctctgtgcta ggcttgagct cagcccagca gggtgcagag 180
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atggatggac gacagttctg tgatgagatc tgaaattcat tacggggtga gatcagctcc 300
ttaaatgggg atttgaaaac attagggctt cattatgtac acaacggcag tgcctcattc 360
atcatgcaaa aatcactccc gttattaa 388

<210> 26
<211> 436
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(436)
<223> n = A,T,C or G

<400> 26
cgcacgagga gtggcatgca gggcccctgc catgggtgcg ctcctcaccg gagcaaagca 60
gcatgataag gactgcagcg ggggagctct ggggagcagc ttgtgtagac aagcgcgtgc 120
tcgctgagcc ctgcaaggca gaaatgacag tgcaaggagg aaatgcaggg aaactcccga 180
ggtccagagc cccacctcct aacaccatgg attcaaagtg ctcagggaat ttgcctctcc 240
ttgccccatt cctggccagt ttcacaatct agctcgacag agcatgaggc ccctgcctct 300
tctgtcattg gtcanaggtg ggaagagagc ctggaaaaga accaggcctg ggaaagaacc 360
agaatgaggc tgtgcagaac cagaacacct gcacttctgc caggccaggg cagcatgacg 420
gcagactcta ggaggg 436

<210> 27
<211> 406
<212> DNA
<213> Homo sapien

<400> 27
cgaattcggc acgaggggcc gcgggcgccc ctgcactagt cggaaaaaac cgagaggttt 60
ctcttctcag ggctgagtca ccagcacgca ggagaagagg gcgaagcggc cacccgcgtt 120
ctgtgttcgg agtcaggacg agaagcattg ggtgggagca gggcgagggg ctcgagttgg 180
gtctgcagcg ggcacaggac ctagttttgt acagttaacg gtggggttga gtaaagaggg 240
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gttgaattga gcgcccctgg ctcgtatagc aggccgagga gggagctcat gggcagcgtt 360
ggctaagagt tcgagatcat ctagaaatgt cagagacgta ggttgg 406

<210> 28
<211> 386
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(386)
<223> n = A,T,C or G

<400> 28
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ctataataca tggaagcaag aaagacactg cctcctctga gggacctttt cccaagcatg 120
taaacaaggg ggcccacagc cctggctgca ggcatcatga cccatcttct accaggcaga 180
tctttattac ctgagccccc aaggcagtgt ctcctcagct gggctgcttc cactgagacc 240
cccgacccat ccccctttcca agacacacac ctgatgcatg taagaatgta aaagggcttt 300
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cgaaggaagg aatcatcatt ggctaa 386

<210> 29
<211> 384
<212> DNA
<213> Homo sapien

<400> 29
ggcacgagca agactgaagg caggccgcac ccatttccac aatgggtgtc tcccttcccc 60
cacagccttc cagttgtgcc ctgggcagga ctgcactctc aggttctcct atttccgaac 120
gggtgccaac tcctacccta accaactgac atctacttgt tgctggacca gaacgtgctt 180
ctgctcactg taaaatgcct cctgagactg gggggggct ggctgtcagg gaggccgccc 240
cgtcctgggg ggcacctcag ggcaggtact gacttccata gccaggacct aggccgggaa 300
tcgggaaggg atggccccgg aagtgataag gcaggatttc caggcagggg aagtggcatt 360
taggagaact ggctatttaa gggg 384

<210> 30
<211> 435
<212> DNA
<213> Homo sapien

<400> 30
tcgcacgagg agagagagag agagagagag agagagagag agagagagag agagagagag 60
agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag 120
agagagagag agagagagag agcgcgcgcg cgctcacaca cactctcacg cgcacacact 180
ctctatatat atatacccac acaaaatata tatccacaca ctctcccccа ctatatatgt 240
ggttttatat acacacacat atatcccccc ctctgtgctc tctctctgtg ttttatagaa 300
agctcttctt ctttattttt cacggccgcc ccttttcttt cagggagaga acacacaccc 360
tcactcttgt ggcgggggggg gctttttttta ataccccctcc ccccccaaaa gagaaaaaat 420
atctcttgtt ttttt 435

<210> 31
<211> 361
<212> DNA
<213> Homo sapien

<400> 31
ggcacgagca agactgaagg caggccgcac ccatttccac aatgggtgtc tcccttcccc 60
cacagccttc cagttgtgcc ctgggcagga ctgcactctc aggttctcct atttccgaac 120
gggtgccaac tcctacccta accaactgac atctacttgt tgctggacca gaacgtgctt 180
ctgctcactg taaaatgcct cctgagactg gggggggggct ggctgtcagg gaggccgccc 240
cgtcctgggg ggcacctcag ggcaggtact gacttccata gccaggacct aggccgggaa 300
tcgggaaggg atggccccgg aagtgataag gcaggatttc caggcagggg aagtggcatt 360
t 361

<210> 32
<211> 418
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(418)
<223> n = A,T,C or G

<400> 32
ttcgaattcg gcacgagggg acctgggcct caggcctgct ccaccactga ctcaccgaat 60
gaccttgggc aaggcactgc cctctctgtg ccttggtttc cccatctgta gaatggggag 120
ggtggacact ggaaactaga tgacttcttt cacctccaaa attcccttag tttctatgaa 180
aatattgggg gtagggggggt ggattaggag attgaagggt tgnnannaan gagaaattgt 240
ttaaagagtt cttataacct gtctggagaa atgcgcatgg gggatggact ctgttaaggc 300
aggcgtccct gattgtgagc tatagctcat cccgagcagc tgtgtctcta tgctgtctgg 360
gcttttatgt ctcatgatca tctttggagc agctggtctg tccctcatac gggacccg 418

<210> 33
<211> 403
<212> DNA
<213> Homo sapien

<400> 33
gtcgcacgag ctctctctct ctctctctct ctctctctct ctctctctct gtctctctct 60
ctgtctctct ctggggctga tgctctggac acggggagaa cccttgtgaa gactctttcc 120
tgccagacac agagggccac acctacgtgg cctttattcc aatggagaaa gatgatgact 180
tcaccacctg gacccagctt gccaagtgcc tccatatctg ggacctggat gtgcgtggca 240
accatcggcg cctgtggaca ttggttcgcg agagaaaccg cttcctggag agggaggtac 300
cgaattccac cgtactcctg tggctcagaa tctaaactat ttattgactg tgctgagggc 360
ctagaaaact agccgaagct ggagggtctg cattcttatc gcg 403

<210> 34
<211> 227
<212> DNA
<213> Homo sapien

<400> 34
ggcacgaggc tctcatgtgg aggccgtgcc ccgctccgcg ctcacgaagc tgcgtcactt 60
ccggcgtgtg cgtctggcgt ccgcgcgctg cacaatggcg gctctgaaga gttggctgtc 120
gcgcagcgta acttcattct tcaggtacag acagtgtttg tgtgttcctg ttgtggctaa 180
ctttaagaag cggtgtttct cagaattgat aagaccatgg cacaaaa 227

<210> 35
<211> 398
<212> DNA
<213> Homo sapien

<400> 35
tcgattcgaa ttcggcacga ggagagagag agagagagtg agagagagag agagagagag 60
agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag 120
agagagagag agagagagag agagagagag agagagagag agagagagag agtgtgtctc 180
tccccctcc cctccgcgtg tgggggctct cccctctctc tctccctctc tttatgtctt 240
ctctctgtgt ctttcctttt tttgtgtgtg ttttttttctc ccccccctct ctccacaccc 300
cgagcgctct ctctttttt ctgtaccccc ccccccccc gcgtgttttc gtccgcgtgg 360
gacccctccc ccccccccct tgtgcgcccc ccctggtc 398

<210> 36
<211> 226
<212> DNA
<213> Homo sapien

<400> 36
ggcacgaggg ggaggtgggg gagggtttaa accgagagag ggtgttcaac taaggggggt 60
caaacagcta gtctacggcg aaaccaggac tcaaagccag tctacgagcc atgtccactt 120
tgttcccctc actcttccct cgtgtgactg agactctgac ccttaatctg gatcgaccct 180
gtgtggaaaa cacagagctg catcagcagg aacacctgca tcatgc 226

<210> 37
<211> 359
<212> DNA
<213> Homo sapien

<400> 37
ggcacgaggt ctgacctcgc acagctgccc atgcaatgat gagtggatca aacactacgg 60
cttatacaag atgctcctca cagaatgaaa aacagctgct cattttcagt tagctattag 120
ccttttagcc ccacccttgt tttctctttt tttgagacgg agtctcactc tgttgctcag 180
gctggagtgc agtggtggtg ccatcttggc tcactgcaac ctccaactcc tgggttcatg 240
tgatttgccc acctcagcct cccgagcagc tgggtttaca ggtgctccac cacacccggc 300
tatttttttt gttttgtatg tttagtagag atagggtttt gccatgttgg ccaggctgc 359

<210> 38
<211> 398
<212> DNA
<213> Homo sapien

<220>

<221> misc_feature
<222> (1)...(398)
<223> n = A,T,C or G

<400> 38
attcggcacg aggccacccc gtgggcggcg ggggcacaga cactacaccc gtcaggcctg 60
ttaaatttcc aagcctcccc agaagcccag cctcttctgc caattctgga aacttcaacc 120
actcgcctca ttcatcgggc ggctccagtg ggataggtgt gagccggcac ggtggggagc 180
tgcttaaccg ctcaggtggc agcatagaca atgtcttgtc ccaaatcgct gcccagagga 240
aaaaagcagc cggattattg gagcagaaac ccagccatcg gtcaagccct gtggggccag 300
caccggggtc cagcccgtct gagcttccag cctcccctgc aggtggcagc gctcctgttg 360
gcaaagaaat tggagaccag caaaaggcct ccatctgn 398

<210> 39
<211> 389
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(389)
<223> n = A,T,C or G

<400> 39
attcggcacg agcccacctc agcctcgcaa atagctggga ccacaggtgc atgccaccat 60
gccccgctaa tttttgtatt ttttttgtag agacagggtt ttgccatgtt gtcgaggctg 120
gtctcaaatt cctaggctca agcgatcctc ctgcctcagc ctcccaaagt gctgggatga 180
caggtgtgag ccccgtgcct ggcctggtca tttctcttgc tgtgcccaac ctgccattaa 240
tcccatccat cctgagcccg acgtggtcat ttttctcacc acccagccta ccgcccgacg 300
tggtcctttc cctcaccacc cangcctacc gccgacgtgg tccttttcct caccacccag 360
cctacccgcc gacgtggtcc tttccctcg 389

<210> 40
<211> 392
<212> DNA
<213> Homo sapien

<400> 40
gtcggcacga gggtggctct gtgaggagca gggaacaccg agctcaaagg gaggttctgc 60
atcctgtggg gacgctccta gagagagtcg gccgcagcga gggcacagac aggctcgtgg 120
acatcacgac tgcaccatgg acgtcagcca gcaggccccg gggcagagtg gcatgggggc 180
aggaatggtg gttacaccaa cggcatgagc tcattttcca agatggatct agagcaggtc 240
ccacccacgc agaacaagcc ctctttacag atcaccagac gtggggagag cagggctgca 300
ggccaataag aggaggctgg ggaaggcgtg ctctgtctgg atggacttcc tggaatagcc 360
tcgagtgcaa aaatagcgtg tccatgtgat gg 392

<210> 41
<211> 393
<212> DNA
<213> Homo sapien

<400> 41
ggcacgagtt gatgttaaac catgaacaga accagcaaga tcagccagta cctgaaaccc 60
aatacagagt agttcacagc aagaagtaca gattgatctg gttcccatgc ctgaaaccct 120
gtcatctagc agttctacca gtgttcctgg gccattttct tagcttcttg agtgagttta 180
gctctttttg tgttgacttt tagggcctcc agcagctcca tgattttcca ggactttcca 240
gtctggcccc cacggaattc tcaggatgat tctcatccag ccctaagtca tgtttctagc 300
ctggctccag cgggtaagcc aggccctgag aaccatatga aagggctctc cagataaaat 360
cagagtgcta atgccagaat gctgcagtag cct 393

<210> 42
<211> 386
<212> DNA
<213> Homo sapien

<400> 42
ggcacgaggg tctgctgtgc accaccttgg agaaggctct ctgtgctgta gtgtggcagc 60
tgcctggtac ccgggtggct tggaagaagt cagctcccgt cgtagtgagc acctctggaa 120
cctgtcctca gagagccacc cttattcgcc aagtcttttt gacaactcga gctgtgccag 180
ctcacagcag ggcgtgcttt ctctatcaat caatcatcaa tcaatcaatc aaatctatca 240
gtgagagcct ggctgggctg gtgtcattgg tcagggaaat gcaagtcttc tggtgggtct 300
gggtaaaagt ggagacaata gatttgctgt gttgttgctt ccatactgag aggagtgagg 360
atcactttgc cctcgaaggt tttgag 386

<210> 43
<211> 415
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(415)
<223> n = A,T,C or G

<400> 43
tacggctgcg agaagacgac agaagggcgg gcatggtggc acatgcctgt aatcccagcc 60
actcgggagg ctgaggcagg agaatggcgt gaacccagga ggtggagctt gcagtgagct 120
gaaatcgcgc cactgcactc tagcctgggc tacagagcga gactccgtct canaaaaaaa 180
aaaaaaagaa aggaaaaatt ggggggggccc ggcccggggg cctaatcttg gaattcaaac 240
cttttggggg gcccgggggg gggggataaa agggcaggga ttttgaaccc agggggcccg 300
gaggggaaaa ccttttttttt ttttaaaaag agggggggga gaaaaaaccc cattgggggc 360
cccttcccga aatccggggc ggtaaaaaac ccttgggggg tttggccaaa cccaa 415

<210> 44
<211> 376
<212> DNA
<213> Homo sapien

<400> 44
cgttgctgtc gcatgctctg gttctgcttt cctagcacag gtccatgctc tgtgtgggtg 60
cttttgggat ggcagccact tccatgtcgc gatgagggcc cagctagcga gccggacgag 120
gcgctggtgg atgaatgctg cctgctgccc agccagctgc ttatccccag cctggactgg 180

cgtgccagcc agcgacggcc tggttagccg cctgcagccc aagcagcccc ttcgtctgca 240
gtttggccgg gcgcccacgc tgcctggcag tgctgccacc ctgcagctcg acggactcgc 300
cagggcccca ggccagccca agatcgacca cctgcggagg ctggcacttt gcgcttgccc 360
cacgtaggaa tgcaag 376

<210> 45
<211> 425
<212> DNA
<213> Homo sapien

<400> 45
ggcacgagct tagaacggag aggctttctg agtaaaaaga accaaccccc tagcaaggcg 60
cctaagttgc actctgaacc ttcaaagaaa ggggaaactc ctacggtcga tggcacttgg 120
aagacccctt ccttcccaaa aaagaagaca gctgcttcca gcaatgggtc aggacagccc 180
ctggacaaga aagctgcagt gtcttggttg acccctgccc cttcaaaaaa ggctgattct 240
gttgctgcta aagtagattt gctgggggag ttccagagtg cccttccaaa gatcaatagc 300
cactgtgtct gacaagaatt tatacttaag cataggagat ggttctggaa attctaagaa 360
attctgctct cagtaagagt agaggtttgg agctttacct cttggcagta tcccttggaa 420
gggag 425

<210> 46
<211> 415
<212> DNA
<213> Homo sapien

<400> 46
ggcacgagct tagaacggag aggctttctg agtaaaaaga accaaccccc tagcaaggcg 60
cctaagttgc actctgaacc ttcaaagaaa ggggaaactc ctacggtcga tggcacttgg 120
aagacccctt ccttcccaaa aaagaagaca gctgcttcca gcaatgggtc aggacagccc 180
ctggacaaga aagctgcagt gtcttggttg acccctgccc cttcaaaaaa ggctgattct 240
gttgctgcta aagtagattt gctgggggag ttccagagtg cccttccaaa gatcaatagc 300
cactgtgtct gacaagaatt tatacttaag cataggagat ggttctggaa attctaagaa 360
attctgctct cagtaagagt agaggtttgg agctttacct cttggcagta tccct 415

<210> 47
<211> 389
<212> DNA
<213> Homo sapien

<400> 47
cgttgctgtc ggggattttt ttttcctcat aaatgttata aggaaatgat gttatccaag 60
gacctgctgt attctctttt tctctctttt ttttttttcc gggaagggaa cccccccttg 120
gcccccaaag gggggggca gggcaaaaat acgggctaac ggaaactttc cctcccgggg 180
gggacaattt acccccgggg ggcaaaggcg gaatggctcc aaaaggcccc cgtgcccttc 240
aagcgggggg agaaaaaggg aacccttgtc taaaaaaaaa aagggcggcc gtggtgtctc 300
ggggaaagag gccggagcac ccctagcccc tcaggggggc gcctgcggta aaccgccaaa 360
agatgcgccc ggtttttgaa caaaaattt 389

<210> 48
<211> 397
<212> DNA

<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(397)
<223> n = A,T,C or G

<400> 48
ggcacgagca gacgggcatt tgtaccaggg tctcacacca tgtgcatgtc tagtgaaaaa 60
gtcatgaaac gattctcttt taaaaagagg gagcccacgg cacggacgct tcctccgtct 120
ctgaccccat gagccgacct ctgactgagg gaggccactg gcacccagcg ggcctgcgtc 180
tccttcgcga gctgaattca ctcgtctctt agatgttttt tctggggctt cagttcacac 240
taacgtttta gaaacactat ttgaaaaagc cctttgtgca gtcagaaggg tgtgtacgca 300
gccccgtgaa agccctggag cactgggacc ttttccttgt gctccggaac tgttggcaga 360
ggtgagtggg gcgggcagct gcccggngca cagtccg 397

<210> 49
<211> 366
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(366)
<223> n = A,T,C or G

<400> 49
ggcacgagga gagagaggag agaactagtc tcgagnnntt ttttttttt ttttttttt 60
ttttttttt ttttttttt ttttttttt tnnnggggg gggccccccc gggccaaaag 120
ggggaccccc cccaaaaaaa aaccccccc cccccaaaat aaaaccctg gggggggggg 180
ggggcccccc ccaaattttg gggggggggg ggccgggaaa aaaccggggc caaaacttgg 240
gggggttaaa aaaaaaaaat tttttacccc ccctttttt ttttttggc cctgggcccc 300
ccccaaaaag gggaaccctt ccccccccaa aggggcccc catttttttc gggggggggg 360
gggagg 366

<210> 50
<211> 410
<212> DNA
<213> Homo sapien

<400> 50
ggcacgaggt tgcgtcctcc tggggaagag gaaaggctcg gttggagctg gcagtttcca 60
actccctgga ggtcatctgg agttcggtga aacctgggaa gaatgtgctc aaagggaaac 120
ctgggaagaa gcagctcttc acctgaaaaa tgttcacttt gcctcagttg tgaattcttt 180
cattgagaag gagaattacc attatgttac tatattaatg aaaggagaag tggatgtgac 240
tcatgattca caaccaaaga atgtagagcc tgaaaaaaat gaaagttggg agtgggttcc 300
ttgggaagaa ctacctcccc tggaccagct tttctgggga ctgcgttgtt taaaagaaca 360
aggctatgat ccatttaaag aagatctgaa ccatctggtg ggatacaaag 410

<210> 51
<211> 397

<212> DNA
<213> Homo sapien

<400> 51
ttcggcacca ggaaccaccc aaagtaccca aatcagcacc atttttcatt ccaacaattc 60
ctggccttgt acccagatat gctgcacctg aacaaaataa tgatccccag cagtctaaag 120
tggtaaatct tggagttttg gctcaaaaat cagatttctg cttgaaactt gaagaaggac 180
tggtaaataa taagtatgac actgctctca accttctgaa agaatcaggc ccatcaggaa 240
ttgaaacaga gctgcgaagc ttgtctcctg attgtggtgg gtccatagaa gttatgcaga 300
gcttcttgaa aatgattggg atgatgctgg acaaaaagcg tgattttgag ttagcccagg 360
cataccttgc attgtttcta aagttacacc ttaaaat 397

<210> 52
<211> 403
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(403)
<223> n = A,T,C or G

<400> 52
ggcacgagca gtggccgaaa aagtgaggac aatccgcaaa taccggagcc ggccccttng 60
cctggacatg gaggcatccc ccaatcacct gcagaccaag gcctatgtgc gccagtttca 120
ggtcatcgac aaccagaacc tcctcttcga gctctcctac aagctggagg caaacagtca 180
gtgagagtgg aggctccagt cagacccgcc agatccttgg gcacctggca ctcaagcact 240
ttgcacgatg tctcaaccaa catctgacat ctttcccgtg gagcaacttc ctgctccacg 300
ggaaagaggt cgatggattt acccctggac ccataagtct gttcatcctg ctgaagtccc 360
ctccccattg ctccttcaag ccaaaactac actntgctgg ttc 403

<210> 53
<211> 440
<212> DNA
<213> Homo sapien

<400> 53
ggcacgagga ggaatgtcag ctgagtacag ttttctcata tggaagacca gccacactgt 60
caagtgggaa ggcgtatggc gagaactggg ctgcctctca aggacggcgt catttgctgt 120
tcgaaaagaa agcggacatt cactgaaatc atctctttcg cacgccatgg tcatcgattc 180
tcggaattct tccatcttac caaggagagg tgctttgctg aaagttaacc aggaactggc 240
aggctacact ggcggggatg tgagcttcat caaagaagat tttgaacttc agttgaacaa 300
gcaactcata tttgattcag ctttttcagc gtctttctgg ggcggaatgt tggtacccat 360
tggtgataag ccgtcaagca ttgctgatag gttttacctc gggggaccca caagcgtccg 420
cggattcagc atgcacagct 440

<210> 54
<211> 385
<212> DNA
<213> Homo sapien

<400> 54
ggcacgagct gtggtcctgt ggtcccagct actcatgaag ctgaggcagt tgaggctgca 60
gtgagccacg ttctggccac tacactccag cctgggcatc aaagtgacaa gaccaaaaaa 120
aaaaaaaaaa tgtggtttgg agggaggcaa aaaaaaattc aggaaagggg gggaaggtaa 180
tcccttaggg acacattttt actcacaatg gtatctccaa ctttgggcat agggcctaaa 240
acgtaggttt tttatgaatt atttaaccga aaacccaccc ctaatttaag gcatgggcat 300
gggaaaaaaa aaacccacct tgaaaaatat ttaagggcct ttgccagggg aacttaggga 360
ctttaggggt taattttatc tataa 385

<210> 55
<211> 383
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G

<400> 55
aggatcccat cgattcgggc tgttcattct cctgaacaca gcctgccact ttaaggaaaa 60
catatgacac tatttgttgc tggcgaaatt tacattttca agtgaatagc agaattctgg 120
acacttgcca ccaccaccaa gaccttcata gcttcccttа actttgagac atgggtgttc 180
agaggttttt cacgtgagat ggcgttagca gcgcagtttt gtgatactgc ctgaagacat 240
gccgacagtg cccagatctc ttctattggt gagccagctt ttcccacacg gccaagttct 300
gatgttgaac cattgccagg tgggtgaaga tccattgaca gtgaaaggtg ggcccgtggg 360
cttcantgca accaagcgca gan 383

<210> 56
<211> 385
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(385)
<223> n = A,T,C or G

<400> 56
ggcacgagag ggaccctgcc ttgtacccac atcactgggc tctgtgctga ccaccagaca 60
ggaggaggtc ctagtggtga gcaggggcag gacatgcatc ttctgggggc tgcagggagg 120
caggggtaga gcttgatgcc atggtggagt gtaggagagg ctcagagaca aggagactca 180
tgagaccagg ctccttgcgt ggccatggca tcagcaactg ccccgtgaca cagccctttt 240
ctcaagtcac tctgattttg agcacttgct acaggcacct tttgggggca cgggtgttcg 300
cgcacacaaa tcaacanaag agagatgcag ggcaggatcc tgagcccaac ttgcggcctt 360
ggcggcttct tcctgcaagt gggcg 385

<210> 57
<211> 383
<212> DNA
<213> Homo sapien

<400> 57
ggcacgagct cacaccacag ctgagaggga aaggaaggtt ggaatggcgg atcgccaagc 60
gcgcccccac ctctcctgtg gtactggggt ccctaaagcc gacccccgct ccggcggggc 120
tcgccggccc ccaagtcgcc agccgcttac ctcacaatcc cgcttggact gcatggctct 180
ccagctggcc ccctcgtacc ctctttataa cttcctcccc accggcctct ggaagcttcc 240
ctacccctcc accccgcaag ctctcattgg ctctgagcgc gaccccgcct cccaggggcg 300
tggaggtatc cactgcacgt gcgccgcccg ggcttcgctc agaccttcaa gtgaaagctg 360
caagtcgcgg gtgcgtatgt acg 383

<210> 58
<211> 383
<212> DNA
<213> Homo sapien

<400> 58
ggcacgagaa gacattgaat ccattttaaa ctttgcagct gaccatttta atcaggaaat 60
cttacctgta ttccttaacg ccaatagaaa ctggaattct ccagttgcta atttcataat 120
ggagtcacaa agactggaat taatcagact aatggagacc caagaggaag atgtggtcct 180
actaactgct ggagagcaca ataaagcatg ctctttgtta ggaaaattac gactggaatg 240
tgctgacctt ctagaaacaa gaggagtggt gctccgtgac cccactctgt tctctttcct 300
ttgggtggta gatttcccac tcttcctgcc caaggaggaa aatcccagag agctggaatc 360
ggcccaccac ccatttactg ctc 383

<210> 59
<211> 384
<212> DNA
<213> Homo sapien

<400> 59
ggcacgaggc ggccacagct ggggccggtg gctccggaac gagatcggga agtaaacagt 60
ccactaaccc tgccgataac tatcatctgg cccggaggag aaccctgcag gtggttgtga 120
gctccttgct gacagaggca gggtttgaga gtgccgagaa agcatccgtg gaaacgctga 180
cagagatgct gcagagctac atttcagaaa ttgggagaag tgccaagtct tactgtgagc 240
acacagccag gacccagccc acactgtccg atatcgtggt cacacttgtt gagatgggtt 300
tcaatgtgga cactctccct gcttatgcaa aacggtctca gaggatggtc atcactgctc 360
ctccggtgac caatcagcca gtgg 384

<210> 60
<211> 380
<212> DNA
<213> Homo sapien

<400> 60
cgattcgctc gaactcctga ccttgtgatc cacccacctc agcctccaaa agtgctagga 60
ttacaggcat gagccaccgc gcctggcctg tctaatcttt tatttaatgc atctaggctc 120
ctcctttctt ccttcatggt ttccttttc ctacttccct atctcgtttt ctttccttct 180
tttcatttac agagaaatgg tgttagaaat gaatgagagg agtgagcaaa gaaagatgag 240
ggaaaaatag atgtgttaag gagtatacgc ataaagaaaa gaggccagga ggaaaagctg 300
ttcaccccga ctcccatcct aatcttgcgt agtctttcgt ttcctgagag tagttaggtc 360
agaagttaca gtagaaactt 380

<210> 61
<211> 375
<212> DNA
<213> Homo sapien

<400> 61
cgttgctgtc ggaatcctgt gcggtgtcaa ttcaggtgtg cactggcccc tgagccttac 60
atacaggacc cgttccttag gatgacgttg cgttcccttg cttagagcct cagcaccatg 120
gcacctggct ctcccccgat gcctgggtct tgctcttgcc catttcctag ccagggtttg 180
tggtccaggc aacctgtcac atcagtgtgt tccaaacatg gcacccagat ctcaaaagct 240
tcttcaacgc tcccatggtt tgggatacac ctcaagtttt aacttacgta cttcaagttt 300
cttttattca attagataca aaccgtctga cttttggctt ctgaaacagg aaagtcaatt 360
ttgttgtttt cactg 375

<210> 62
<211> 380
<212> DNA
<213> Homo sapien

<400> 62
cgttgctgtc gactgtgtct gtgtgaggga gagagtgtgt gtggtgtgga ggtgaaactg 60
aggcaagaaa gggggctacc tcaggagcga gggacaaagg gggcgtgagg cacctatgcc 120
gcggcacccc ggcgacagga agccgtcctg aaccgggcta ccgtgtaggg gaagggcccg 180
cgtagtcctc gcagggcccc acagctggag tcggctccac agccccgggc cgtcggcttc 240
tcacttactg gacctccccg gcgcccgggc ctgaggactg gctcggcgga gggagaacag 300
gaatcagact tgagcagctg cccgttgtct cgcaacttca cttgccgaga acccctaatt 360
tgttccctcc ctccttcccc 380

<210> 63
<211> 378
<212> DNA
<213> Homo sapien

<400> 63
cgttgctgtc gtgttaatag aaagaataat gtagatcaag ctattaaaaa tggtcaggct 60
cttctaaaac aaaccacagg tgaggaggtg ttacttatcc aggaaaaact agatggtata 120
aagactcgtt acgcagacat cacagttact agctccaagg ccctcagaac tttagagcaa 180
gcccggcagc tggccaccaa gttccagtct acttatgagg aactgaccgg gtggctgagg 240
gaggtggagg aggagctggc aaccagtgga ggacagtctc ccacagggga acagataccc 300
cagtttcagc agagacagaa ggaattaaag aaggaggtca tggagcacag gctggtgttg 360
gacacagtga atgaggtg 378

<210> 64
<211> 371
<212> DNA
<213> Homo sapien

<400> 64
ggcacgagtc tgatcatact cactgtttct tcatcaccct actgaccttg tccagaatcc 60
cacatcccag ttgatatcag ggcaatcagt ttcctggctg ttttccccaa tatcaacccg 120

ggcttacaga agacagtcac cacagagctc ctgccaggag ttcactcatt cgtgcatttc 180
ttccttttt ttttcttttt gagatggagt ctcgctctgt cgcccaggct ggagtgcagt 240
ggagcgatct cggctcattg caacctccgc cgcctgggtt caagcgattc tcttgcctca 300
gcctcccagg tagctgggat agcaggtgtg tgccaccacg cccagctaat ttttgtattt 360
ttagtaaaga g 371

<210> 65
<211> 371
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(371)
<223> n = A,T,C or G

<400> 65
tacggctgcg agaagacgac agaagggcgg gcatggtggc acatgcctgt aatcccagcc 60
actcgggagg ctgaggcagg agaatggcgt gaacccagga ggtggagctt gcagtgagct 120
gaaatcgcgc cactgcactc tagcctgggc tacagagcga gactccgtct canaaaaaaa 180
aaaaaaggaa aggaaaaatt gggggggccc ggcccggggg cctattcttt gaatccgaac 240
cttttggggg ggcgggggggg ggggaacaaa agggcaggga ttttaaaccc agcgggccca 300
gcgggggaaa cctttttttt ttttaaaaaa aaaagaaaaa aaaaaaaacc cctttggggg 360
gccttttaag a 371

<210> 66
<211> 374
<212> DNA
<213> Homo sapien

<400> 66
ggcacgagct ccaatgagct actcctgact caaatggaga agtgtgccct catggaagcc 60
ctggttctca ttagcaacca atttaagaac tacgagcgtc agaaggtgtt cctagaggag 120
ctgatggcac cagtggccag catctggctt tctcaagaca tgcacagagt gctgtcagat 180
gttgatgctt tcattgcgta tgtgggtaca gatcagaaga gctgtgaccc aggcctggag 240
gatccgtgtg gcttaaaccg tgcacgaatg agcttttgtg tatacagcat tctgggtgtg 300
gtgaaacgaa cttgctggcc cactgaccta taagaggcca aagctggggg atttgtggtg 360
ggttatacat ccag 374

<210> 67
<211> 371
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(371)
<223> n = A,T,C or G

<400> 67
ggcacgagct ccaatgagct actcctgaca caaatggaga agtgtgccct catggaagcc 60

ctggttctca ttagcaacca atttaagaac tacgagcgtc agaaggtgtt cctagaggag 120
ctgatggcac cagtggccag catctggctt tctcaagaca tgcacagagt gctgtcagat 180
gttgatgctt tcattgcgta tgtgggtaca gatcagaaga gctgtgaccc aggcctggag 240
gatccgtgtg gcttaaaccg tgcacgaatg agcttttgtg tatacagcat tctgggtgtg 300
gtgaaacgaa cttgctggcc cactgaccta taagaggcca aagctggggg atttgtggtg 360
ggttatacat n 371

<210> 68
<211> 370
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(370)
<223> n = A,T,C or G

<400> 68
gattcgaatt cggcacgagg tgcaatggca gcccgagcgt gtacacgcac acctcctgtt 60
ctgggggagt ggtttcttgg cagcttctca agggcgaagg gtgagttttc ggcatctggc 120
cttcccttgc tgctgtgggt cgggtcattc tagcatcttg ccatcttgga tgatctgcag 180
ctgtcatctc ggcagccacc atgaactggc ctgccagtgg gttttctcgt tcccagcgag 240
gatgtggtgg tgtgtctgca gccctttttcc acagcagcga ggacctggga ggattagtgg 300
cttagcttct ttcttgtcgg ngagcaccgc tccttcctat gttccaagtc agtagcaggt 360
gtcagcttag 370

<210> 69
<211> 363
<212> DNA
<213> Homo sapien

<400> 69
tacggctgca gaagacgaca gaagggcaac atggtgaaaa ctcgtatcta ctaaacatac 60
aaaaattatc caggtgtggt ggcgggcgcc tgtaatccca gctacttgag aggctgaggc 120
aggagaatcc cttgaacctg ggaggcggag gttccactga gccgagattg caccatccct 180
ctccagcctg gggacagagt gaggctttag ctcaaaaaaa aaaaaaaagg cccaattcct 240
gggcccccccc ccaaaccaac ctaaaaaatt ttaaaaaaaa gggggggggcc aaaaattgca 300
aaaccccatt tttttttttgc ccgtttttgg aaaaaaaatt taaaaaggcc cagtccttgg 360
gaa 363

<210> 70
<211> 148
<212> DNA
<213> Homo sapien

<400> 70
ataatggaga ctggagacag ggcaatgagt ctggtcgggg gcacgtggac atgccccata 60
ggggccccac ccagacttaa caggcaaggt cctgggcatt gcgcgacgca ggactcaatg 120
ctaaagcaag cctgcctggc tctgtgcc 148

<210> 71

<211> 360
<212> DNA
<213> Homo sapien

<400> 71
ctaatacaga cagggtctta ctatgtttct catgttggtc ttgaactcct ggtctcaagc 60
agtcctcctg cctcagcctg tcaaactgcc aggattacag gcatgagcca ctgagctcgg 120
tctatatctt tcttgatcat agtttataat acaaatgttt agacaatgta ctgttatccc 180
ccatatcaaa agaaggcatc attatgatgt cactgcagga aaacatggaa tgaaccctag 240
tgcccacttg aagggagaca gtcatcatac tacactctcc tttgtccttt gatcgtgtag 300
tgtaccatat ctgctttagg cataccagtc tatcttcaga gaccaggaag atataacagg 360

<210> 72
<211> 359
<212> DNA
<213> Homo sapien

<400> 72
tacggctgcg agagacgaca gaaggggagc ttggccttct cagacttcca ctgggagaac 60
tcagggtcca attaaactcc agaaccaggt gagctgcacc ttctcaggta tcaaaacaca 120
gggcccgcca ggcacggtgg ctcacacctg taatcccgta agtttgggag gccgaggcag 180
gtggatcacc tgaggtcagg agttcgagac cagcctggcc aacatggtga aaccgcttct 240
ctattaaaaa tacaaaaaat tggcctggca tggtggctca tgcctgtaat cccagcactt 300
tgggaggccg aggcgggcgg atcacctgag gtcaggagtt cgagaccagc ctcaacatg 359

<210> 73
<211> 360
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(360)
<223> n = A,T,C or G

<400> 73
ggcacgaggg atnnnaatgg ccacaaatac cactacatcg acgacctggg ggtcatcctg 60
ccccagaacg tctgggagca cctgtacaac agattcgggg gtggccccgc cgtgaaccac 120
ctgtacgtgt gctccatctg ccaggnggag atcgaggcac tggccaagcg caggaggatc 180
gagatcgaca ccttcatcaa gttgaacaag gccttccagg ccgaggagtc gccgggcgtc 240
atctactgca tcagcatgca gtgggtccgg gagtggaggc gttcgtcaag gggaagacaa 300
cgagcccccc gccccatgac acagcagatt gccagtcaaa gaagcggcat gtcagcttaa 360

<210> 74
<211> 350
<212> DNA
<213> Homo sapien

<400> 74
ggcacgagct gcagtgagct gtgatcatgc cactgcacac cagcctgggc aacagggcga 60
gaccctgttt caaaaattaa aagaaaaaaa taaatgcaga tacccaggct tggcttaaac 120

ctgctcccca ggtgactcgt ccgtgtgctg aagtttgagc agcactgctt tcgcaggcag 180
gtaattgcaa gattctggtg gaggccagac aggtgggcag cccccgagca gtctcagtca 240
cactgaacta tggcctggta tgccacatga cactttaccc cacgaggtag ggattaacct 300
cgttttatgg atcatcgtct gtgaggtgag gctccagaaa gttaagtcag 350

<210> 75
<211> 353
<212> DNA
<213> Homo sapien

<400> 75
ggcacgagca gaaagggttg gaagttgagc ctagaacagt caggggctta atggtcacac 60
agcaggatct gcggtttggg gcctagggac tggtagtgaa aaaaaaaaca tggaactagt 120
tctgatgtct ggactctagt cactgccttg cttcgtagcc ttgggcaagt cttttgtgag 180
acagggtgat agaatgaaaa gtcttgtctt tggagtcagg aagacccaga tctgaatcta 240
gctctgattt gtactagcta tgtaccctta ggccagttac tattctgtgt ctcagtttcc 300
ttatctgcaa aacaggtaaa aacaactttc tcagaatatc agagataatg tgt 353

<210> 76
<211> 350
<212> DNA
<213> Homo sapien

<400> 76
ggcacgagac atgttttagg catcttaatt catattttat ctaaaggcat ataaatcctt 60
aaaaaaaatc atttgacttc atccttgctc cctacatcca gccagtaacc attgctttgt 120
tttacatcgc gtgcttcagg ctttactaca gcctacctgg attttgcagt agcttcttaa 180
actgcttaaa ctttggatat tgccccagcc aacacattct gccacagaga tctctctgag 240
ttaaatggga ttgtatcatg ccccacaccc aagcagatag aaactgtcaa tagatacact 300
tagaatgaat atgcatggaa tcaaattaca ttcagaatct accactatag 350

<210> 77
<211> 631
<212> DNA
<213> Homo sapien

<400> 77
tactgctgcg agaagacgac agaagggtgg agtgcagtga tgtgatcttg gctcactgca 60
atctctgcct cctgggttca aatgattctc ccacctcagc ctcctgagtc gctgggatta 120
catgcatgca ccaccacgcc tggctaattt tgtattttta gtagagatag ggtttctcca 180
tgttggtcag gctggtctcg aactcaggtg atctgcccat ctcggcctcc cagtcgctgc 240
gcctggcctt gatttacttt ctttttttct tttttgaaaa ggaaacccct ttttttcccc 300
agctggaagg gaaggggggg aatttatttt actggaacct ccccctcccg ggttaaaaaa 360
atttccctgg ggaggtggga acaccgggaa ggggttcacc cccccactta attttttttt 420
ttttttaac agggattttt gtttcccaaa actgggagga gggggccaat ttttttaat 480
gggaggtttt cccttggggc ccccccttc tttctcctta ccccccaaaa attggggaac 540
tatagggggag gaccacccc cccgccataa ttttttttt ttataaaaag ggggttccct 600
atttgggcga ggtgggttgt ctttttgccc g 631

<210> 78
<211> 227

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(227)
<223> n = A,T,C or G

<400> 78
ggcacgaggg taatctaact gcctgtggnc gctccctctg gctcttcaat gagacgacaa 60
gatgccccca ggcctgaggg aagtcctgcg gcctttcctg ggctcctcct gagtggtata 120
cgggaccaat taccggagag ccatattcat cttcatcaac aactcgggtg gcgagcacat 180
aaaccaagtg gcattggaag cgtgacacaa ccaacggtac cgcaatg 227

<210> 79
<211> 223
<212> DNA
<213> Homo sapien

<400> 79
ggcacgagag atagagagag agagagagag agagagagag agagagagag agagagagag 60
agagagagag agagagagag agagagagag cgccagcaca ctctcttggg ggagaccccc 120
ctctctctcc cctctctgtg gggggcgcgt gtgtttacac agacccccc tctctctgtg 180
tgatatattt tttcacacag agtgagagct ctctctcttg gtg 223

<210> 80
<211> 217
<212> DNA
<213> Homo sapien

<400> 80
ggcacgaggc ggcaatggtc acctccggga ctcagccctg tgctgagccc cgggcagtgt 60
gatcatcctg gcccttctcg tgcacgtccc ctggctggat gctccttgct gccctcacgg 120
ggtgtgtgtg tggcatacag gacagggacc ggccagttgg ccctgctcat taaccacttg 180
tccccacagg gcagtggcgg cctcacctct gcaattc 217

<210> 81
<211> 215
<212> DNA
<213> Homo sapien

<400> 81
ggcacgagcg gaaacaaagc ccagggaaga tgtctccatg accagttgtg aacccttttgg 60
gaaagaaggg atactgataa aaattcctgc tgttatttcc cacagaacag agtctcacgt 120
taaaccaggg aggctcaccg tccttgtgtc tgggttggaa atacatgact ccagttcttt 180
gctcatgcac aggtttgaaa gagaagacgt ggacg 215

<210> 82
<211> 209
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(209)
<223> n = A,T,C or G

<400> 82
acgttcanna ccgagccccc tcccatcatc acacagtgca cctgggctct gcagcccctt 60
gcctccattg cagccgcagc aagaggcctc cacttgtccg tcagggacgc tccaaggaaa 120
gaaaaagccg ccccccggaca tgagagacca ctgtgttctc tgtgggcagg gaaccccaga 180
gcttctgcag agccaacact ganggccgg 209

<210> 83
<211> 188
<212> DNA
<213> Homo sapien

<400> 83
cgttgctgtc ggtgaaatcg aatctgtaca aatgagtgca aaaaagccag gaagaaagct 60
caggcccatt agagatgact ctgaaagcat tgaagaaagt gatacaagga gaaaagttaa 120
atcaacagag ggctgggcac taaggggtcc tgtcttttta gaagtgacag actcagctgg 180
aagaattc 188

<210> 84
<211> 443
<212> DNA
<213> Homo sapien

<400> 84
ggcacgagga acagcctggc caacatagtg aaaccctgtc tctactaaaa atacaaaaat 60
tagccgggca tggtggcatg cacctgcaat cccagccact caggaggctg aggcaggaga 120
atcacttgaa tccgagaggc agaggttgca gtgagcaaag attctgccac tgtgctccag 180
cctgggtgac agtaagactc tctctctcaa gagaaaaaaa aaatatatat acacacacac 240
acacacacac acacacacac acacacatat atatctctct ctccaagtgt ttagtatgca 300
taaaattttg cgggaggaaa aggtataacc tttctcaaat aattaactaa atggatatgc 360
gccatctatt caatagtttg tgtttcttcc cctctgaaat gctacttcta catttattat 420
aaatactatg tgagcatgtt tct 443

<210> 85
<211> 427
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(427)
<223> n = A,T,C or G

<400> 85
ggcacgagcc tcaaggcagt tcaagcaatt ctcctgcctc agcctcccga gtagctagga 60
ctacaggcgt gtgccacctc tcccggctaa ttttttttgta tttttagtag agacggggtt 120

tcaccgtgtt agccaggatg atctcgatct cctgacctcg tgattcaccc ccctcggcct 180
cccaaagtgc tggaattact ggcgtgagcc accatgccca gcctcanata tgtttttaaa 240
aaatatcatt gtcctcctcc tcttaagatt ttttaagtat tttgctcaag tacttaagta 300
gtctggctca agtactttgt ttacaattaa aatggatatt atagcattta atagaagaaa 360
tggttatggc ttatccaaaa aaaattcagc atgacctggt gagacttana aactacttgt 420
tgtgata 427

<210> 86
<211> 436
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(436)
<223> n = A,T,C or G

<400> 86
tcgaattcgg cacgaggcag cctcaacctc ctaggctcaa gggatcctcc cacctcagcc 60
ttctgagtag ctgggaccac aggccctcac caccatgccc agataatttt tgcacttttt 120
gtataggtgg ggtttcgccg tgatttccca ggctggtctc gaactcctgg gctcaagcaa 180
tacacctgcc tcagcctccc aaaattctga gattacaggt gtgagccgct gcacctggcc 240
aaagtgttct tatttttgct ttttcaacgc cacatctacc tggagcatcc tctttctgat 300
aagtctcatg gacttcctat ggcatgcaag agaggccacc cctatgctga gctgctnggg 360
aagagccang angacngatc cngctgtacc ttagggctga gaagtgtgaa agaccactca 420
gaccctgctt tgctgg 436

<210> 87
<211> 431
<212> DNA
<213> Homo sapien

<400> 87
tcgattcgaa ttcggcacga gatttctatg gataggaggt ttatttgttc cattatgcga 60
agatgatggg aagaaaagct gtatgtgcag atgcaggtga atttgtggat atattagaag 120
gaagatgaca ggcagtgatg gagtgttgaa gagctcaaac attagacagt actgggtctg 180
agttctgact ctgccttttg caagctgtgc aaccataggc cagttatgaa accttagtta 240
tcaagttata actaatagga ttgtgttgaa cacgaaatga catgataaac atatgtaaac 300
tgcttggatc agttgcccac tagctcttgt taggagctaa aatgttagct cttgctgagg 360
ggctgtcaaa tggcttctgt ttctcatgga gcagaaatct ataaggtcat ccactggtag 420
tggtgggaga a 431

<210> 88
<211> 430
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(430)
<223> n = A,T,C or G

<400> 88
atcccgtcgc ttcaaattcg gactgaagat ccagcgagac acatttgtaa ttccagtttg 60
gggatggtag ttgcaagcac ctaaacagtt tgccaaggaa tgtttctcct gagtttgttc 120
cttgtgaagg tgaaggaggc tttggtttgc acaagaagaa agacctactc agtgataatg 180
gttctgaatc acttccgcat tcagctgcat acccctttct tggaacctta ggaaataaac 240
cctcacctag atgtacccct ggtccttctg aatcaggatg catgcatata acctttcgcg 300
attctaatga aagacttggt ttaaaagtat ataaatgcaa tccactaatg gaaagtgaaa 360
atgctgcatc tgagaaaagt caaggtttgg gatgtcagga acctncataa aagatgaagg 420
gacctagtgg 430

<210> 89
<211> 432
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(432)
<223> n = A,T,C or G

<400> 89
aattcatcgc gaggacttcg gcacgagctg tactgggggc tatattttca cctgtcgaca 60
tgttgcacat cttatggtgg gtaaaaacac acatccaagt ttgtggccag atataattag 120
caaatgtgcg aaggtaacct tcacttatac agagttctgc cctactcctg acaattggtt 180
ttccattgag ccatggctta aagtgtccaa tgaaaatcta gattatgcca ttttaaaact 240
aaaagaaaat ggaaatgcgt ttcctccagg actatggcga cagatttctc ctcaaccatc 300
tactggtttg atttatttaa ttgggcatcc tgaaggccag atcaagaaaa tagatggttg 360
tactgtgatt cctctanacg aacgattgaa aaatatccan acgattgtca agatgggttg 420
gtagatctct an 432

<210> 90
<211> 430
<212> DNA
<213> Homo sapien

<400> 90
atagactttc tgctgatctt atcgatgaga atacggcacg aggtcaaaac ggactcactc 60
cctgaatgca ggctcagggc catcaaccag gctgacgctc caggaggcac agtgggtgtt 120
tctggtccac gcccagcgtg gaaatcatag tggtgcacat gtactctgcg tgggcattgc 180
ggcagcatcc gtgcttggac ctcaccgcct ttggggccca cgtgggattc ctgccacatc 240
gtcctcttgc cctgcaaaga cggagcagcc cctcattgtt gacaaagaaa ccaagaccct 300
gaaggttcag aactgcccat gatggtggca ccggggcttg aaccccggct gtggtggtga 360
ccggcgactg gctctgcgtg aggttcctgt ggccgccacg acataagacc gcaagcggtg 420
tggcctgatg 430

<210> 91
<211> 424
<212> DNA
<213> Homo sapien

<400> 91
cgattcgaat tcggcacgag ctaccctcca cgggagacga agaggtgttt gtttccggct 60
ccaccccacc tcccagctgt gccgtgcgga gctgcctctc tgccagtgcc ctccaggctc 120
tgacccagtc tccgctgctg ttccagggga aaacaccttc ctctcagagc aaagacccca 180
gagatgagga tgtggatgtt cttccctcca ctgtagaaga ctctcctttc agtcgcgctt 240
tctccaggag gcgccccatc agcagaactt atacacggaa gaagctcatg ggaacctggc 300
tggaggactt atagccacaa acattactga gcccaaaaga tcaaggagtc agccaggacc 360
cctgtgacat aaagaagttg atgcctgtcc ccagcctcta tttgcatggt cagtggtcag 420
aatg 424

<210> 92
<211> 427
<212> DNA
<213> Homo sapien

<400> 92
gattcggcac gagccagggg aaggccaggc ccaccgagag ctgcagatcc tgcccagggt 60
ccctgcattg tccaggaggc agggagagga ctttctgcta cacaagagta ttgacgtaac 120
aggtgaccca aagtctctga gacccaagca gaccttggag aaggatctga aggaaaacag 180
ggaagagaac ccaggactga catccccaga gcctcagctt ccaaagagtc ccacagatct 240
ggtgagagca aaggagggga aggacccccc caaaatagcc tctgtgaaaa tggtgatgct 300
gacacacctt ctgcctgcgt tgtggagaga gaaagctcga ctcacagcgg gacagaagag 360
acgctctgaa tctgagcagt cccaaagaaa gcaaacagat gcctcctcat ttccaaagaa 420
gaggctg 427

<210> 93
<211> 424
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(424)
<223> n = A,T,C or G

<400> 93
cgattcgaat tcggcacgag gcaatgccca ttcatcgatt ctcagtcctg gccctgctag 60
tgatgcctcc gctgatgaac ggaaggcagg tgcaggtaaa agagtggtgt ttttggaacc 120
cctgaaggat actgcagcag ggcagaacgg gaaagtcagg ctctttccca gcgaggcagt 180
gatagctgag ggcatcctaa agtccacgag ggggaaatct gactcagatt cagtcaattc 240
agtggtttct gacacacctt ttgtggcgtc cacttaattt gtgcctatat ttgtatgagg 300
tcataattta atctggtcat atttaacttt gtgtgtgggc tgcaaataaa cagcaggaca 360
gaaaatgtgt tgttttgtct tttgaaatac accccaaatc tttaaaatga ttggtaggaa 420
atgn 424

<210> 94
<211> 404
<212> DNA
<213> Homo sapien

<400> 94

tattcggcac gaggcactat gaaagggaag gaaacgcttc agggctttgt aactgacatc 60
acagcaaaga cagcagggaa agctctgtca ctggtgattg tggatcagga gaaatgcttc 120
agtgctcaga atcctccaag aagagggaaa cagggagcaa ataaacagac caagaagcag 180
cagcagagac aaccagaggc cagcataggg tccatggtat ccagggtaga cgctgaagag 240
gcattggtgg atctgcagct acacacagaa gcccaggctc aaattgtgca gagctggaaa 300
gagctggccg acttcacatg cgcattcaca aaggctgtgg ctgaggcgcc cttcaagaag 360
ctccgagatg aaactacctt ctccttctgt ctggagagtg actg 404

<210> 95
<211> 414
<212> DNA
<213> Homo sapien

<400> 95
attcgaattc ggcacgagaa accacgtttc tttgttgagc tgtgtcttga aggcaaaaga 60
aaaaaaattt ctacagtagt ctttcttgtt tctagttgag ctgcgtgcgt gaatgcttat 120
tttcttttgt ttatgataat ttcacttaac tttaaagaca tatttgcaca aaacctttgt 180
ttaaagatct gcaatattat atatataaat atatataaga taagagaaac tgtatgtgcg 240
agggcaggag tatttttgta ttagaagagg cctattaaaa aaaaaagttg ttttctgaac 300
tagaagagga aaaaaatggc aatttttgag tgccaagtca gaaagtgtgt attaccttgt 360
aaagaaaaaa attacaaagc aggggtttag agttatttat ataaatgttg agat 414

<210> 96
<211> 409
<212> DNA
<213> Homo sapien

<400> 96
ggcacgagcc ggaatttgag aggaacatag aagcaaaggt ccagcctttg cttcgtgctg 60
attcctagac ttaagattca aaaacaaatt tttaaaagtg aaaccagccc tagcctttgg 120
aagctcttga aggttcagca cccacccagg aatccacctg cctgttacac gcctctccaa 180
gacacagtgg caccgctttt ctaactggca gcacagagca actctataat atgcttatat 240
taggtctaga agaatgcatc ttgagacaca tgggtaacct aattatataa tgcttgttcc 300
atacaggagt gattatgcag tgggaccctg ctgcaaacgg gactttgcac tctaaatata 360
gaccccagct tgggacaaaa gttgcagtag aaaaatagac ataggagaa 409

<210> 97
<211> 413
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(413)
<223> n = A,T,C or G

<400> 97
cgttgctgtc ggtcgaattt cgacctgtgg tacacagctg tgctgtggct cagtcagcaa 60
cctcagaact ctgaaaaaac anaacanaaa aaaaaaaaaa aagaaaaaaa aacccggccc 120
ctttttttatt ggaaaaaggg aatggaaagg aaaaaaagga aaaactgaaa gtttggttta 180
ataaagggtt taaccggttt taaccctgaa aaaatttttct tgaaagtttt ttaaaaacct 240

tttttttttt gaaagggttt aaaaacctaa taacttgtta agggaaaccg gggaaaaaaa 300
gggggttttg gaaaaattcc cccgggcccc aattttaagg gggacaaaag gtgggctttt 360
aatggtaaag ggaaatttgg aaaaaaaaaa gaaggaccca acccgggggc ccc 413

<210> 98
<211> 405
<212> DNA
<213> Homo sapien

<400> 98
tcgattcgaa ttcggcacga gatcaagggt ccaccatgtg ccagccactg aagtagatat 60
aaatacaagg atgtgtaagg tatggatgat ggtatacgaa ctgtcatctt actggatttg 120
tccgctctgt taaagatacg gttccgaaaa ctttttaaag ccctagagag ggctttaagg 180
caatgtagca tcatatatag aggcatcaac ctgttcatat ctttctattt aacagaactg 240
tgcacctggg cacaagggtg tgcacaacag gatgtgtaca gcagcactgt taaagtgtag 300
cacatccata ctacaggatc ttatgcaact gttggaaaga atgaagcgat gctgcactgt 360
ggtcatgcag tgatctctaa gacatattaa ctagaaagca aaagg 405

<210> 99
<211> 405
<212> DNA
<213> Homo sapien

<400> 99
ggcacgagga aaaacaggaa tactttaaca attaaaaaga aaaaaatgtt ttttgtttgc 60
caaggactca ggaaaataaa aagcattttc tatttttagg acaaatcaca aatgaagtgt 120
ctaactggct attactgttt acccatataa aatatgctgc taaagtacat attttgctgt 180
caatggcttg acaatttttt ttttcaaatt tggacatgag aggttatata gggactatat 240
tatccaacac atattttctt attttgccac aaatttccac ttaacaaata aaaaaaggcg 300
aatgctgttt tgcaatcaga aagtgaattt cttttgtggt agcgtacacg tggttcatgt 360
ggttctccac gtttaagcac aaaccacagc acaggaagcc acacc 405

<210> 100
<211> 409
<212> DNA
<213> Homo sapien

<400> 100
ggcacgaggt gcggaggtgc gtgcctataa ttccagctac tccagatgtt gaggcaggag 60
agttgcttgg acccgggagg tggagggtgc agtgagccgg gattgcgcta ctgtactcca 120
gcctgggcaa cagagtgaga ctccgtctcc aaaaaaaaaa aaaggggggt aaaaaccttt 180
gaaaatggac cccggttttt aacttttttat tggaaatcct aaggggggct tcgggttttc 240
aaaagaattt tccaaaccca cccaccgccg ggggaaaatc gacctttttt ggcaaactgg 300
aaacattttt ttttctggac ccccgggggg gggggggga atttttcctt aagacccttg 360
ggggtttttg gggcaaaaag gccttggtaa tgccacccat aaaaaccgg 409

<210> 101
<211> 414
<212> DNA
<213> Homo sapien

<400> 101
ggcacgagct aggaggacct tgaagagaaa tgggatcagc ccgccaaacc aagaagggtt 60
agcacttttg ctaggagagc tgaccacgca caaacagatg agaaccaaaa ccgagtgaag 120
aggattgaag atgaacccac attttaaaag ttcttgtctg ctggaggtgg cattacctgt 180
gacctcgctt cacttctcca tacatggctg ttatatgcag aaaatccagc tttctgaagc 240
atatttcacg acatatgatg agacttatgt gatgtgagac ctgagaaaac tatgatagaa 300
agaagcaact cacgttgcaa ggatattcct catgtatcat gcaaggatat tcctcatata 360
tcatatttga acattctaag agatttctca taaagctgat attcataatt tgag 414

<210> 102
<211> 409
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(409)
<223> n = A,T,C or G

<400> 102
ggcacgagga gtatggaccg tgtgctccca ggctcctgac atagggtcat gaattagggc 60
cgagtgggag cgcagagccc ctcccagtca cccggcagca gaagcagccc ggcttttgga 120
ggacattgtc tcctggagca gtgtcagtcc caaaaggtaa ctcagccctg cttctctcgg 180
ctcagggttg acagtgacct gggaatgact tctacaacgt aattacgaat tcactcagtt 240
ttagaatata tttagtagtc tcagaatcgc taattcatac ccccatgaaa agcaaattta 300
ctacctaaag tacagtactt ggatacaggt ctttttgtct ttactcttat ggnatttagt 360
caaaatactg ttttccaaag ttgcttaccc ctttttctttc ctaccactg 409

<210> 103
<211> 404
<212> DNA
<213> Homo sapien

<400> 103
cgttgctgtc ggacgggtcc accatgttag ccaggctggt ctcgaactcc tgacctcagg 60
tgatccacgc acctaggcct cccaaaatgt tgggattata ggtgtgagcc accatgcctg 120
gccgggagca gcattcttaa ggaattcaag acacaggaag aacacttgcc tttagtggga 180
gcaagacaac gcagtgtggc agaagacaaa gaatgggggc acaagtgcaa ggtgaattgg 240
aggtagaata taggacttaa ctttctgacg gcttctgttt tctcagtgaa gtctgaggca 300
aggccggtga cttaaacaaa gaaggggtag tggataattt caggaaagat ggacacttca 360
ccttgagcaa caggacaagg aactgagtaa ctgggaaaca aggt 404

<210> 104
<211> 408
<212> DNA
<213> Homo sapien

<400> 104
ggcacgagat aagttttacc ttttaaacat ccggctgcct gtgaatgaga agaagaaaat 60
caatgtggga attggggaga taaaggatat ccggttggtg gggatccacc aaaatggagg 120
cttcaccaag gtgtggtttg ccatgaagac cttccttacg cccagcatct tcatcattat 180

ggtgtggtat tggaggagga tcaccatgat gtcccgaccc ccagtgcttc tggaaaaagt 240
catctttgcc cttgggattt ccatgacctt tatcaatatc ccagtggaat ggttttccat 300
cgggtttgac tggacctgga tgctgctgtt tggtgacatc cgacagggca tcttctatgc 360
gatgcttctg tccttctgga tcatcttctg tggcgagcac atgatggg 408

<210> 105
<211> 412
<212> DNA
<213> Homo sapien

<400> 105
cgttgctgtc ggtcaaagca gactataaat ttggtttgtt ttgatttcaa gtttcctgaa 60
acttggctct tcagattgcc ccccagttct ttattctgtg ggtttcctgt ggggtctttt 120
ccatggggct gatcccacct cacagctaca tgccttacgg gagggcaccc ctcccctaga 180
attttcatcc tctagattgg tggactttgt gaaatagaca tgatggtaac tgctgtaatg 240
ggggctttgg taaggaacgc agcagagggc cacacaacag gagaatcccg tgttcttgtt 300
ctagccgccg catagagaat acggccttta gcacacagag ctcacacagg gagctacatg 360
gggagaaagc gtgttgttct gcggcatgat aagtgtgccg ccaaagcctt ca 412

<210> 106
<211> 407
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(407)
<223> n = A,T,C or G

<400> 106
tcggtccatg tggcttgtgg ggnnactcat ttctttcatg cccactgggg aaggttccac 60
cagcaaggct gttactggcg gggtcctctg ggaggggggc aagaaggcca gccacaccaa 120
ggcactggag ctccacgact cctggccttc gattggaggc ccctctctgc cagctctgcc 180
ccttgggggg caccaggcag gactgccagc cgctctcctg gcaggtgaca tcagccttca 240
agctcactgt gccctcacca tttcatgctc ccccaaggtc ctggtcatgt cttctcttgg 300
gtatcttccc aggacaggca ctggcactgg agccctggca cttgtttctg ggttccatgc 360
ttcccaggtg tgatggtgaa tgccgagtgt caacttgact ggattgc 407

<210> 107
<211> 416
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(416)
<223> n = A,T,C or G

<400> 107
attcgaattc ggcacgagcc aggggaaggc caggcccacc gagagctgca gatcctgccc 60
agggtccctg cattgtccag gaggcaggga gaggactttc tgctacacaa gagtattgac 120

gtaacaggtg acccaaagtc tctgagaccc aagcagacct tggagaagga tctgaaggaa 180
aacagggaag agaacccagg actgacatcc ccagagcctc agcttccaaa gagtcccaca 240
gatctggtga gagcaaagga ggggaaggac cccccaaaaa tagcctctgt ggaaaatgtg 300
gatgctgaca caccttctgc ctgcgttgtg gagagagaag cttcgactca cagcgggaac 360
agaggagacg ctctgaatct gagcagtccc aaaagaagca aaccagatgc ctcctn 416

<210> 108
<211> 405
<212> DNA
<213> Homo sapien

<400> 108
ggcacgaggt ctggtagcac catgtgggag ggacccagct gggcgcagcg ccctgtggcc 60
ttttagatcc agacctccct gccggatgcc ccgaggcggg aggccggctg tgctgcagga 120
acccatctcc agatgccaaa ggacttgagg ggcagctgac aatcgctgtg tcccggcaga 180
tccgcagctc gaaaaagaac aagccacaga aacgggctcg ctcgtgccag gacacagcag 240
tgtctttcaa aaaatcaaaa ccagaagttt tatcagcagc aggaaggatg tgggactctg 300
tccaagtaca ccgtcaccat caagccactg gctgtggaag gagtttggcc aacagggtca 360
gtgtcacagc cacaacttca gagagcagcc atcccgcgtg tcgcg 405

<210> 109
<211> 410
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(410)
<223> n = A,T,C or G

<400> 109
ggcacgaggc ccggttctcg gacgtgagtg caactggggc taggtcatcg ggcggcaccc 60
tgcacagagc tcctgggcca gcctgcgcca gggatgctgc tgagctggga gccgccatgc 120
ctggccttgt ttctggacca ctgggagcag cactgcagcc caggggagct ggagtccagc 180
ttggagcagc cacaggccca gggagctgta gcaagagggt agtccaaagg cagatgccag 240
acaagacaca gccaggaacc cggccaggtc cccccacatg cccctcaggg cccaggcctg 300
agtgagtgct gctcagatgt gactgagagg gatgacctcc ttcagcaggg cagctcctaa 360
aaggctgcgt gcangtgcgt gtggngggag atgccacact gtgtcggggg 410

<210> 110
<211> 409
<212> DNA
<213> Homo sapien

<400> 110
ttcgaattcg gcacgaggga acacgttcag gggattgtga ggtcttgcac aagccacgtg 60
gggcaccttg gcttcccggc aggaggtgga cacccagcca gaggcctggc tcaaggtgac 120
cttaccttca ccatgggctt tctgggtgcg cgggcctgag cgcaggttgt tttgtacata 180
ttggaatatg tgttaactta tgccccgcat cccaactcac acggaagcac gggtcttgtc 240
tcagtctctt cgctgcattt ggaaaacagt ctactctcgg gccagcgccg ggctgatgtg 300
tacagaggcg gctgcagctg gcatttccct cagcccccaa gtgtccatcc tggcacttcc 360

cattcaggcc acctgctttg ggtcaacagt tcctttgcca gcagcatct 409

<210> 111
<211> 407
<212> DNA
<213> Homo sapien

<400> 111
ggcacgaggt ggattactgt gtggccgatg gttttcagga acagctgaat caatgtgctg 60
agctgctgga gaaattggaa aagctatttc tcaacggaaa atcagttgga gtggaaatga 120
acacccagaa tgaactgatg gagaggattg aggaagacaa cttaacctac caacatcttc 180
tgcctgaatc tcctgagcct tcagcctctc atgcgctctc tgattatgaa acatctgaaa 240
agtccttctt ctcacgagac cagaagcaag ataatgagac agagaagact tcagttatgg 300
tgaacagttt ttctcaagac ttactaatgg aacacataca ggaaattcga actttgagaa 360
agcgtttaga agaatctatt aaaacaaatg agaagctacg gaaacag 407

<210> 112
<211> 412
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(412)
<223> n = A,T,C or G

<400> 112
ggcacgagcc ttgcagtccc accccacact cagccttgtg tccctcgatc cagtctccga 60
cttccatttc ccaccctaaa ccgcctaccc ggtgtctgtt ccccgcccgg ttgtcctcgc 120
cctgctgcgc tgagtgtccc ctgttagcct cgaccccatg gcgctgcaga cgctgcagag 180
ctcgtgggtg accttccgca agatcctgtc tcacttcccc gaggagctga gtctggcttt 240
cgtctacggc tccggggtgt accgccaggc agggcccagt tcagaccaga agaatgctat 300
gctggacttt gtgttcacag tagatgaccc tgtcgcatgg cattcnaaag aacctgaaga 360
aaaattggag tcactactct ttcctaaaaa gtttaggccc aagaatatca cg 412

<210> 113
<211> 411
<212> DNA
<213> Homo sapien

<400> 113
cgccggccgc cctgcgtacg ctcgcaaggc gctcgcagac tccggagtcg ccaacatgtc 60
gaccgccatg aatttcggga ccaagagctt ccagccgcgg cccccggaca agggcagctt 120
cccgctggat cacttaggtg aatgtaaaag ctttaaagag aaattcatga agtgtcttca 180
taacaataat tttgaaaatg ctttgtgcag aaaggaatca aaagaatatt tagaatgcag 240
gatggagaga aaattgatgc tacaagaacc attggagaaa ctgggatttg gagacttgac 300
tagtggaaaa tcagaggcaa aaaaatgaat tttgatgaga agacccctgg gccgtgttca 360
gtggtctctc aggacggagg gcatcatcct gcctcttagg ttggctgagg c 411

<210> 114
<211> 420

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(420)
<223> n = A,T,C or G

<400> 114
ggcacgagcc agaacataag gggcctaaag agagaggaag caaaaaagat tatattcagg 60
aaaaacagag gagacaagaa gagcagagga aaagacattt agaggctgcc gctctgctga 120
gtgaaagaaa cgcagatggt ttaattgtag ctagtcgttt ccaccccact cccctgctgc 180
tgtctttgct ggactttgtg gcccccttcaa ggccgtttgt ggtctactgt cagtacaaag 240
agcctctgtt ggaatgctac acaaaactgc gggagagggg aggggtcatc aacctcaggc 300
tgtctgaaac ctggctcaga aattatcagg ttttgccaga tcgaagtcat cctaaactgc 360
tgatgagtgg aggtgggggt tatcttctct ccggcttcac cgttgccatg gacaaccttn 420

<210> 115
<211> 422
<212> DNA
<213> Homo sapien

<400> 115
ggcacgagat ctggtccgaa ttccaaccat gaccctatag gagtttgcca acggcgctgc 60
ccagtcagac atcctgactc tggaggagac ccacagcatc ttcctgtggt acacggccac 120
caacaagccc cgcctggact ttcccctgac caagaggaag ggcctcgccc cgcagaggtg 180
ccaccgattc cagtcttctg cctaccgcag caaccagtgg cggtaccgcg ggcgctgcga 240
cagcatccag tttgcagtgg acagaagggt atttattgca gggctgggcc tgtatggctc 300
cagctctggg aaggctgagt acagcgtgaa gattgagctc aagcggctcg gggtggttct 360
ggctcagaac ttgaccaagt tcatgtcaga cggatccagt aacaccttcc cggtctggtt 420
tg 422

<210> 116
<211> 391
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(391)
<223> n = A,T,C or G

<400> 116
ttcgaattcg gcacgaggtg acctttaaaa agcaaaaaaa ccaaaaacca accaaccaaa 60
caaacacaaa aaaacaaacc cacaaaaaat gaaaaaacag ctacttctga aacacataaa 120
agtatcttga tcttttaaaa acaggtcctg aaactacaga tccattgctg agactactcg 180
aaaaactgta aaacatgggc attatttaa ttcgtgaaca actgaaaaga ttcaatggag 240
tgccatgtgg tcattttagt atgtgagtca aagcagaata atagggaaac attaaatctc 300
tcctttacag tttaagaggt tgaaagcaaa aggaaagtct gaaaaaagaa caggggaggt 360
ttggttggta atgtttttgg tagaactggt n 391

<210> 117
<211> 403
<212> DNA
<213> Homo sapien

<400> 117
cgttgctgtc ggctatttgt attatgagct gatcgattag agaatcatag gatactagcg 60
cctgaggcca tcttttctag gaataggaga gagaaaaatg tatttgaatt ttgcctttag 120
atttgaaatt atgttaatag aaataagtta ccctgtgtaa ttcaccttag aacttaacaa 180
aagaccacac attacataac ccagaggtat agattcaata taggatttga tggcccagca 240
cactgttttc tatgacaggt taatctagaa gatcctgtaa tgctcattaa ggtactgtga 300
ttccagaatc tacattagac tagaaaaata attgtggttt tctaacttga taatcaaatt 360
atgttaacat ggagacttta gctcttaaaa tgacatgctc tgg 403

<210> 118
<211> 385
<212> DNA
<213> Homo sapien

<400> 118
cgttgctgtc ggttcccctc cacagactgt tcccctgcca gaagcacctg gtaagcctct 60
gcaagtcctc agaactagaa agattagaaa gagagagaga gaacacatgt ggatgatacc 120
acagtcagtg agaagggact ccaagctcat gcctctgggg gatggcctca ttgccatctc 180
tggatccaga gggcacatta ttagcagttc tattcagaaa aagggctaga gagcaggggc 240
aagaaatcat gcttgcagtt gctcttgagg gcagatgtat tagtttgcta gggctgtcat 300
aagagagtac tgcagattgg gtgacttaag cgacagaaat ttcttttctt acaattctgg 360
aggctagaag tccaagctca aggtt 385

<210> 119
<211> 384
<212> DNA
<213> Homo sapien

<400> 119
cgttgctgtc gggctgctta acacattcct atgctacaaa agacagtgct cctctccagg 60
aaccaccaaa taaattcaga tactaatgcc aaaaagaagg cagcatcagc ttgggaaaag 120
agtgccttta aggcactgtt tctctctatg aaggcagtgt ggaatgatag ggatgatcta 180
cgacctagag gagagacctt aagtcttact tgcagccaaa agccttcaaa cctgagctag 240
ccagaactgt tacatcagaa ttctcaccca tgacaagaag cctggaggga gtccagggtt 300
gatggattga cttaaggtgt catcaaaagc ttagacttta cccttctgct gcaccaccct 360
tattgccttg ttgtcacaag agga 384

<210> 120
<211> 396
<212> DNA
<213> Homo sapien

<400> 120
cgttgctgtc gaaatatctg aaaactaaac ttgaattaac tcttaataca aacagtactt 60
tgaaaatgca gcatttaacc ttgttttaaa attttttttct caaagcattt ttttccagcc 120
actcacattt taaaaggttg tattactttt agttagaact gaaagggctc aactagcatt 180

tgctgtgacc agtatgcgga gtctgtgttg gctttccaga attgactttt tgggttgtat 240
tggcaaatca cagtcctaaa tgatgaatgt tgaatgatgc actatgtttt tgtttaaatg 300
agatttcctg aaaatagtta atttcagaat taagggaaat tgatgtcgct atcatgaggc 360
atcataaaaa tatgtatttt acaaggtgaa ggcatt 396

<210> 121
<211> 402
<212> DNA
<213> Homo sapien

<400> 121
ggcacgaggt gacctttaaa aagcaaaaaa accaaaaacc aaccaaccaa acaaacacaa 60
aaaaacaaac ccacaaaaaa tgaaaaaaca gctacttctg aaacacataa aagtatcttg 120
atcttttaaa aacaggtcct gaaactacag atccattgct gagactactc gaaaaactgt 180
aaaacatggg cattatttta attcgtgaac aactgaaaag attcaatgga gtgccatgtg 240
gtcattttag tatgtgagtc aaagcagaat aatagggaaa cattaaatct cttctttaca 300
gttaaagagg ttgaagcaaa gggaagtctg aaaaagaaca gggaggctgg gtggtaatgt 360
ttttgtagaa ctgggtatct tgtcgattta gaaggggctt tt 402

<210> 122
<211> 391
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(391)
<223> n = A,T,C or G

<400> 122
ggcacgaggg caatctcatg tgcatttaac attcttaaaa cgaaacagta gttgaccaaa 60
ttttttcttct taaaaaattg gaagtggggg gaatccaatg acaaaaacta atgtggcttg 120
tttctggaga aaataattac tgtaaatgga acaacaacaa caaaaaaaac tacgatctta 180
ctgactttgc ctaaatacac aagcagctga tgtactatta atgagaacga aatacacatt 240
acgaaaatgg agccatttca atctaatggt tagggcaaga tggggaagag aaggggaaac 300
attctagttt ctggattaca ttattatgcc cctcctgaaa agggtggtgt catttgcatt 360
tatttanagc aggtaatatg caggaatgta a 391

<210> 123
<211> 388
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(388)
<223> n = A,T,C or G

<400> 123
ggcacgaggt taaggattcc aatttaactt tgaaaagaac tgtctcattc atttacattt 60
ctgttacagt cagcccagga ggttacagtg agctctccac taagaatctg gaagaaatgc 120

atcactaggg gttgattccc aatctgatca actgataatg ggtgagagag caggtaagag 180
ccaaagtcac cttagtggaa aggttaaaaa ccagagcctg gaaaccaaga tgattgattt 240
gacaaggtat tttagtctag ttttatatga acggttgtat cagggtaacc aactcgattt 300
gngatgaatc ttacggcacc aaagactaag acagtatctt taagattgct agggaaaagg 360
gccctatgtg tcaggcctct gagcccaa 388

<210> 124
<211> 396
<212> DNA
<213> Homo sapien

<400> 124
cgttgctgtc gggcctctga agtctttagt ctacgggaaa ataagtaaaa cctgcccaca 60
tgcttgtgat ggtattggaa tatttcagtc ctttgagaag aacacttcac tttgaacctt 120
acgggctatt ttccagactg tccaaatatg atttgtttcc tctcaccatc atttccagta 180
ccctgtccca agtgtttgaa tatagacatt gatatgccct gatttttgct ctacttcaga 240
aaggatcggg gatgtagttt agccctctag gagcttggaa ctaatttgtt tgtctatttc 300
ttgtttgctt ccaagctgct tattatgtgt tacaggtagc agctacagct gaaggccatg 360
gtgaattgct ggtgatgtaa atactcccag ccctgt 396

<210> 125
<211> 400
<212> DNA
<213> Homo sapien

<400> 125
gaattcggca cgagagctgg ggctagaaaa atgaataaga ttgggttcct gaccccagcc 60
caggctcaca ctgtagtaaa gggaaacaga catgaacact aggtgacatg gagtgttagg 120
ggcgctatgg tagaagtctg cagagagtgc aatgggcgtc caaatgagga agtgatcact 180
tgcacaagag tgggaggctt ggctggaaag gcttctctga ataggatgac atttgatctg 240
tgttttgaag ggcatcgttg gcaaggtaag taatccaatt aaaggaggtt gcctcagcta 300
aagcacagta tgctcaaagg tgcggatcat ttgaaaattt gagttcaagt gcagtagggg 360
taaggtaagt atccaacaga attttctaca atgatggaat 400

<210> 126
<211> 393
<212> DNA
<213> Homo sapien

<400> 126
ggcacgagag ggtgtgtaca tgtctctgta gctactgaag ggaaggaaca cttttccctg 60
cctggaagtg ccagcttagg cttcatagca ctgcgtgggc tggctagtag gaattatcaa 120
cttgctgggt gatcttgaag gatgattaac aggtatgttt atagcagcac tattcacaat 180
agcaaagact tggaaccaac ctaaatgtcc aacaacgata gactggatta agaaaatgtg 240
gcacatatac accatggaat actatgcagc cataaaaaat gatgagttca tgtcctttgt 300
agggacatgg atgaaactgg aaaccatcat tctcagcaaa ctattgcaaa gacaaaaaac 360
caaacactgc atgttctcac tcataggtgg gat 393

<210> 127
<211> 389
<212> DNA

<213> Homo sapien

<400> 127
ggcacgaggt attaaaagaa ttcttggaag agcagcgatc agattatgaa gaatttgtct 60
tgagaaatta cagaggattt aaaccataat gttaggaata gttattctat caagatgaat 120
gtggaaagtg ttagtgtgca tgtgatgagt cttgaagctg gaaactaggt aacaggttct 180
taaatagttc atgtgaaaat catgacagac taaggcaatg gctgtggggc tgtccgggag 240
ttctctacag aaaacatcta aaacttgaat gtgcaagtga gtagctaact tccaagcttc 300
ccatttctgt ataatttaag catgaaaatg agaacactga gatttgatag gcatgtagaa 360
gtcagagtaa gcaagagggc ttgagttca 389

<210> 128
<211> 382
<212> DNA
<213> Homo sapien

<400> 128
ggcacgagag aacaaaatgc tatgggagtg tgggggttgc gggggggcac ccaagccagc 60
cttgggagtc aggaaagact tcctggagaa aaatactttg acttttgaag tagttgactg 120
gaagttggcc aaagagcgag tgaagagaag ggtgtttcag gcaggcagaa tagcacgttt 180
acctggacac cccaaaggaa gtggcgtgtg tgtgtgtgtg tgggggtgtg tgtgtgtgtg 240
tattttcggg taggatgaag agctgtgatg aggggtgggc tggtgagact agatcataag 300
ggactgtata aggagagtgt acatatgtct attgtccctg catacttatt accagcaacc 360
cccttcactc tcaaaagggt cg 382

<210> 129
<211> 397
<212> DNA
<213> Homo sapien

<400> 129
gatcgattcg aattcggcac gaggagagag atgagagaga gagagagaga gagagagaga 60
gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 120
gagagagaga gagagagaga gagagagaga gagagagaga gagagcgctc tctcttttc 180
tctctctcac tctctctgac aaaacacaga gagcgctctc tctctctgtg tgttctttt 240
ttttgaggg gggggtgtat ttttatatcc ctctctctct ctcgccccca aatatagaga 300
gagtgtgtgc tctctctttt tttttttgtg gagagacaca ctctatactc tccgcggcgc 360
gagcgcgctt ttttttttt ttagcgagat atatttt 397

<210> 130
<211> 386
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(386)
<223> n = A,T,C or G

<400> 130
cgttgctgtc ggtttagccc ttgttgcctg ggctggagtg cagtggtgcg atctcagctc 60

actgcaacct ctgcctcctg ggttcaagca attctcctgc ctcagccttc ctagtaggat 120
tataggcgcc tgctaatttt tttatttta gtagagatgt ggtttcaggg tgttggccag 180
gctcgtttcn aactcctgac ctcangcaat ccacttgcgc tcatccttcc agactacagg 240
tgtgagccac cgcgcctggc taggaattta ttgataaaga tctttatgct aacctcaata 300
tgagtgacaa agattggggg aacatagcct gatgaggtcc ttagaaaacg tgcccctggg 360
aaaaggaatt tatataaaag gcgatg 386

<210> 131
<211> 395
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(395)
<223> n = A,T,C or G

<400> 131
ggcacgagga gagagagaga gagagagtgt gtgtttgaga gagagagaga gagagnnnna 60
gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 120
gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 180
gagagagaga gagagagaga gagacccccc ccctctctct ctctcttttc tctcgggggg 240
gggccccccc cctgtgtgtg tttccctctc tctcgagtct cactgtctct gtctctctct 300
ctatgtataa accccccctt ttttttccc cccccgcgcg cgcgtttttt ttttttttt 360
atcccacaga gagcgcgcgc gccccccccc tctct 395

<210> 132
<211> 387
<212> DNA
<213> Homo sapien

<400> 132
ggcacgagag agagagagag agagagaact agtctcgaga gcagtttttt ttttttttt 60
ttcaaaaaaa aggggttttt ttaaaaagac atatgggtcc gggcccaagc ccctggaatt 120
taccaaattt ttttttaaa gggcaaaccc tttccacaaa aaaagggttg gccatagggg 180
gggcccaaac ctttaataat cccggggaat ttaaaaccaa aatcccttag ggcttggaat 240
ataattgtgt cccaaaaaag taaggggggc cccctatgag ggctcttaaa aataaaacaa 300
acctttttact ggggctgaaa aaaaaaaacg gttttatggg ggggggattt ttcggaaaat 360
aaaggtcggg ctccgggaaa tatttgg 387

<210> 133
<211> 394
<212> DNA
<213> Homo sapien

<400> 133
cgttgctgtc ggttcccctc cacagactgt tccctagcca gaagcacctg gtaagcctct 60
gcaagtcctc agaactagaa agattagaaa gagagagaga gaacacatgt ggatgatacc 120
acagtcagtg agaagggact ccaagctcat gcctctgggg gatggcctca ttgccatctc 180
tggatccaga gggcaaatta ttagcagttc tattcagaaa aagggctaga gagcaggggc 240
aagaaatcat gcttgcagtt gctcttgagg gcagatgtat tagtttgcta gggctgtcat 300

aagagagtac tgcagattgg gtgacttaag cgacagaaat ttcttttctt acaattctgg 360
aggctagaag tccaagctca aggtatcaga agag 394

<210> 134
<211> 384
<212> DNA
<213> Homo sapien

<400> 134
ggcacgaggc tatgcaagca gttctcattc ttaatatcag ctgagattgg acaaactggc 60
aactcttgca gatactttta tcatgtgtat gttagtggga ctgttgatgt ttagctgatt 120
tactcatact attgttgctt ctcattgatg gaagaatttt ttttttagt gcattatccc 180
ggtcaatgtt tgtttaaaaa aaaaaaaaca gttttgtttc caggggggt ctctttaaag 240
ggaggttttg gggcccttct ttggaaaatt gaaacaaatg ctggtgaggt tggcagtttt 300
tatttatggg agggaacaga gagacccttt ctctctcctc tcttattcat cgggcaggat 360
aatctagttg ttttgaattt aggg 384

<210> 135
<211> 399
<212> DNA
<213> Homo sapien

<400> 135
atcgattcga attcggcacg aggcactatg aaagggaagg aaacgcttca gggctttgta 60
actgacatca cagcaaagac agcagggaaa gctctgtcac tggtgattgt ggatcaggag 120
aaatgcttca gtgctcagaa tcctccaaga agagggaaac agggagcaaa taaacagacc 180
aagaagcagc agcagagaca accagaggcc agcatagggt ccatggtatc cagggtagac 240
gctgaagagg cattggtgga tctgcagcta cacacagaag cccaggctca aattgtgcag 300
agctggaaag agctggccga cttcacatgc gcattcacaa aggctgtggc tgaggcgccc 360
ttcaagaagc tccgagatga aactaccttc tccttctgg 399

<210> 136
<211> 399
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(399)
<223> n = A,T,C or G

<400> 136
cgttgctgtc gatttgcact gccaaaggag gctctggagg ttaaagtatg tgttttaatt 60
tcgttgttga ggccatataa tgcagagttg acggaccgac cttatgagtc accttggagc 120
ggagtagtgg agacttaaag acagactacc ctggagctgg cttcaaacta gttcttaata 180
ttgtgactcg aactccccat ccccagaaat tctcagatct tataagccaa agactggcaa 240
ggatactaga gggaactact cgagtaggcg aggtcagact acataccgaa taggagtcct 300
tccaaaaata tgcagtttca catacagctg ggtactccaa gtgtacagtt cccatcagct 360
ctaatatgac agaaggctga ggccggngtg ctagagaaa 399

<210> 137

<211> 393
<212> DNA
<213> Homo sapien

<400> 137
gattcgaatt cggcacgaga cattgaataa aagaacatga caaacccaca ctggcattgg 60
ataaatcata ttacaccttc aaaatacaca ctctgaatta taaagatgtg tttgttttct 120
ttccaaatca tgtagaattg atttccagtt caaggataaa ccacaacaat atttagaact 180
atcaagtgat ctaatttatt ttcttttggt ttcttcttta catttactgt tattttatta 240
ttattagtag tagcagcaac agagtatgat atgacccaaa agccattgta aagtgccaca 300
ttaccaaaat taattaagta aactttatag cctgtgggag tctattatat attattttgc 360
aaaagtagta aatatattat tgtttcatga tga 393

<210> 138
<211> 398
<212> DNA
<213> Homo sapien

<400> 138
ggcacgaggc aagacactat cagtgcaaag tgagtagacc ctcagatgct gctgggtcag 60
agggaaggcc cagggatatg acacaggaca cagaggtggc agatacacca cctcccaaca 120
tttcctctat cacagcaact agaacaatgg caacaatagg ggtgggtgtg gtggctcacg 180
cctataatcc caataccctg ggaggccaag gcagaaggat tgcttgagcc caggagttca 240
agactagcct gggcaacttg gcgaaaccct gtctctacaa acatatttgt atgtgattga 300
acaagtagaa caatggaacg gaaagtccag atgtagttct aaatatgtac aggaacttag 360
tataggataa atatggcatc ttaaatcaat ggggaaaa 398

<210> 139
<211> 402
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(402)
<223> n = A,T,C or G

<400> 139
ccatcgattc gaatatccgt gggcccacaa gcgatgggtc cgccacatgt ctggngttca 60
gaaaaaaatg tgcttttctg gaacatagcc tgtgatagca gaacaacacc tggcaagaaa 120
caggttatgt ttggctggag agtcattggc actatcaaga aatattaaag tgtagatttg 180
agagaggagg agaaagaccc aagcaaaatt gaaaaccagg tgggacccag acagcagcaa 240
agcaatggaa gcatgtattt tggtcaatat agagttaata cacaattttg cccctcttct 300
tctgatcatg ggactcatat taccagtctt cacatttcct ttaaattcag gaatcaggaa 360
gaatttccag agtttgcaga tggacacatt tgctgcttcc at 402

<210> 140
<211> 382
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(382)
<223> n = A,T,C or G

<400> 140
gcctacggct gctagattac gacagaaggg tccatggcag tgaggcggtt acacaggtgt 60
atatatatgc gaaaattcac cacttccact taagatctgt tgacattatt ttatgtatgt 120
attcttccgt gaatttattt atttatttat ttttttgaga cagggtcttg ctctgccgcc 180
caggctgagt gcccnactcc tatccacccc cctttgaaga gtctccctcc cgggctgaag 240
agattctcct gcctgaactg tgctattctc tgggaccgca gtggtgtgtc ccatccacac 300
ctcaactttc acgttcatag aagagacggg ggtgcccctc tgggtcccgc tgtaaaatac 360
tcctgtgcta aattatacaa ac 382

<210> 141
<211> 383
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G

<400> 141
cgttgctgtc ggttggaagg tgtagggaaa tcctgctgga actggtgttt cagagtaaat 60
ctttttttctc tccggaattt cttgttttgc tattaacaaa ttatatttac ctgattatga 120
aaaattaatt ttccttatac attttcccct tacaacacta gaaaagagca ccttgttaca 180
gttccggcct ctcagtatgt gggctaaatg ccagcattag ggaattcatt aatcatgaga 240
ctaggctaca aactaggctt gcttgttttg gggtgngttt gttgttggtg ntgntggtgn 300
tgntgttgnt tccaaatctc tactgccttt tgaggaaatg taaatctgag acatggaaat 360
aagtgtttgg gagaatggaa aag 383

<210> 142
<211> 399
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(399)
<223> n = A,T,C or G

<400> 142
cgttgctgtc ggttcccctc cacagactgt tccccagcca gaagcacctg gtaagcctct 60
gcaagtcctc agaactagaa agattagaaa gagagagaga gaacacatgt ggatgatacc 120
acagtcagtg agaagggact ccaagctcat gcctctgggg gatggcctca ttgccatctc 180
tggatccaga gggcaaatta ttagcagttc tattcaaaaa aagggctaga gagcaggggc 240
aagaaatcat gcttgcagtt gctcttgagg gcagatgtat tagtttgcta gggctgtcat 300
aagagagtac tgcagattgg gtgacttaag cgacagaaat ttcttttctt acaattctgg 360
aggctagaag tccaagctca aggtatcaga agagttggn 399

<210> 143
<211> 399
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(399)
<223> n = A,T,C or G

<400> 143
cgttgctgtc gaaaagagac acaaaatctt acagaagttt caaaggaagg acagattgca 60
tctgatacat aagaaaggaa aaactacatg aagaaggtag aactggacac ttggcagtgc 120
cctgggctta gatgtctatt cttttanaag atggaggctg ggcagtggct cacacctata 180
atcccaaccc tttgggaagc cgagacagga ggatcacttg agcccaggag ttcaagacca 240
gcctggacaa cacagtgaga ctctgtttct ttaaaaaaga aagaaaaaga gtatggagga 300
tgtgtcttca ggcaggcaga tacacaactg aaaactttct agaaaggcct tgaggaatga 360
attgttcttc gacagaagat gggaaagagg tcattctca 399

<210> 144
<211> 395
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(395)
<223> n = A,T,C or G

<400> 144
ggcacgagcg ggcgtccagg ctggagctcc cagtgctggg aagccaagac ctgagcgata 60
tcccattgcc ggaaccatct ttgcttctgc tcacaccctc ctggtcggcc attcaatcaa 120
caaactctag ccagccccgg ctctgtgcta ggcttgagct cagcccagca gggtgcagag 180
cccatcctca ccaggcccca ccctctcggt gccaaggcgg gtgggtgccc gggggagaag 240
atggatggac gacagttctg tgatgagatc tgaaattcat tacggggtga gatcagctcc 300
ttaaatgggg atttgaaaac attagggctt cattatgtac acaacggcag tgcctcattc 360
atcatgcaaa aatcactccc gttattaaaa atccn 395

<210> 145
<211> 391
<212> DNA
<213> Homo sapien

<400> 145
cgttgctgtc ggttcccctc cacagactgt tccccagcca gaagcacctg gtaagcctct 60
gcaagtcctc agaactagaa agattagaaa gagagagaga gaacacatgt ggatgatacc 120
acagtcagtg agaagggact ccaagctcat gcctctgggg gatggcctca ttgccatctc 180
tggatccaga gggcaaatta ttagcagttc tattcagaaa aagggctaga gagcaggggc 240
aagaaatcat gcttgcagtt gctcttgagg gcagatgtat tagtttgcta gggctgtcat 300
aagagagtac tgcagattgg gtgacttaag cgacagaaat ttcttttctt acaattttgg 360

aggctagaag tccaagctca aggtatcaga a 391

<210> 146
<211> 403
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(403)
<223> n = A,T,C or G

<400> 146
catcacctgt ggctgcactg ttatgcttca tagtcacagg cacgtagcta cggctgggct 60
gggagcgtgt gtgtgcactg taagaaggag ctgatgatac tggcgacgtg ctggggttcg 120
ctcatgtgga cacagtgatt gcctgggact tccacaaact ggaactgctg gagaggggag 180
ggggtgggta gtgaggtgtn nccanangag cctagggagc tccatgggcc ccggggtcag 240
ggccctccca cagcattcca gctccctgca ggtcaggagc gcctcccaca gtgagtttcc 300
cccacactcg gctccttgga gccccgacag tccatagcac cccaggagat gtctaacctt 360
atggacttgg aggcctccca ggggtctagg ccagctgagt tgn 403

<210> 147
<211> 391
<212> DNA
<213> Homo sapien

<400> 147
ggcacgaggc gaggtcagcc tcaaactacc ggaatatata tgtcccagat gtgaatcagg 60
ctttattgaa gaagtgacag atgattccag ttttttaggt ggtggcggca gtcggataga 120
caataccaca acaacacatt ttgcagagct ttggggccat ttggatcaca cgatgttttt 180
tcaagatttt agacccttte taagtagcag tccactggac caagataata gagccaatga 240
aaggggtcac cagactcaca ctgacttctg gggagcaaga cctccacggt tgccattggg 300
tcggagatac agatctcgag gaagttctcg tcctgacaga tctccagcta ttgaaggaat 360
actacaacac atctttgcag gattctttgc g 391

<210> 148
<211> 390
<212> DNA
<213> Homo sapien

<400> 148
cgttgctgtc gggcgtggtg gcgggcgctt gtagtcccag ctactcggga ggctgaggta 60
ggagaatggc ttgaacccag gaggcggagc ttgcagtgag ccgagattgc accactgcac 120
tccagcctgg gcgacagagc aagactccgt ctcaaaaaaa aaaaaaaaag gggaaggggt 180
gttaaaaaaa aaacctggcc caagccaaaa aatttttaaa gggggcttcc ccgggtgggg 240
gaaaacttaa gcccaaaaac ctttttttg ttaaaggccc tccaaaacat ttggaaaaaa 300
ttattggttc gggccaaaat tctaagcccg gtttttttaa gcaggggaaa catatccgga 360
accaggggtg cacagaaaaa attttttga 390

<210> 149
<211> 389

<212> DNA
<213> Homo sapien

<400> 149
ggcacgagat gtcgttgagc aacctcccca gcggtcagac tttcctttgg cagccccaga 60
aaatgctagt accggtccag cccatgtcag gggacgaact gcagtagaaa ctgacttgac 120
ttttgggctg actcctaaca gaccttcact ttctgcatgt agctctgaag ctcccgaaga 180
gagatccggt agaagactgg cagacagtga gtccctgggc catggagctc agagaaatac 240
agatttggaa agggaagatt caataagcag aggaaggagg tcaccaagca agccggactt 300
cctctacaaa aagtctgccc tctgagagca acctccaagt cgtctgtgcc tgagatgtga 360
aacatcccat tttatgatgt aacccaaca 389

<210> 150
<211> 398
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(398)
<223> n = A,T,C or G

<400> 150
ggcacgagga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 60
gagagagaga gagagagagt ctttaacgct ctggggtcta cacatataca gccacacata 120
cttagacaca ttgatgagtg ggcggacact ccttagcttg cgtagagaga aatgggttct 180
ttatgagaaa cgtgtgtaat tctctctctg tataggccta ttataattgg agaaacatat 240
gtgtatcacc gcccgcgcac atttttttata ttattgcttt tctgaggggg gtgtgatgtg 300
agtntcatta cacatcgagg acccatgcag gactcactac attgtataat agctatgatc 360
tatagtgctc aaaatgttga agtatcttag agtttaat 398

<210> 151
<211> 395
<212> DNA
<213> Homo sapien

<400> 151
cgttgctgtc ggccagactc catagacacg gagaagatca aactggagct gcgttcatag 60
gctggcactc tcaatcctac atcaggtgcc accaccacca gactcaggct ctggtgtaag 120
aagcggccaa gtgcctggac ccagaggctt tgcaggacag tgttctcagg agctgggcct 180
gaggcttagg agagctgcct tcgctgcagg aaatcaggga ttatccctta acagaagtgt 240
ctggagtagt tttcaggtat aggaatgaga tgcctcgtgg tgaaaggatc tcaccctggg 300
aagatgtggt gccccctcca gggctctgga ggatggatgc ctcccccagg ggctctccaa 360
gctgggcatt tgggcctggt ggatgccaac ctgga 395

<210> 152
<211> 395
<212> DNA
<213> Homo sapien

<400> 152

cgttgctgtc ggtcttggcc tctcgaagtg ctgggattcc aggcgtgagc cactgcggcc 60
agcacatttc cacttttaga tcctactcca taccacaggt ttcatttaag aagaaagagc 120
tagataaatg tgctcttctg gttaccccac cctgacagag tgcattttta cacggctagc 180
aggggttgag actgcagcct ggcctgccag ccattggagg tgtttaagga agggcagata 240
atgtgactct ttgcggggtg ccatctgctt acccattagc gagcagaggg ggtttctgcg 300
ggtgaccccc agcatatttc taggttactt atgggcagat ttgtaagtga caaaactcca 360
gctgatgctg ggaatgggga gagggcccct gaggg 395

<210> 153
<211> 402
<212> DNA
<213> Homo sapien

<400> 153
ggcacgagga gagagagaga gagttatgat atagagagag agagagagag agagagagag 60
agagagagag agagagagag agagagagag agagatagag agagagagag agagagagag 120
agagagagag agagagacag agagagagag agagagagag agagagagag actttttttt 180
tttctttctt cttttcctcc agctcaagga cattctctcc ctgttctaca gctactgttt 240
ctctggactc ttctcatctc ctccccgcgt tctttttttc tccatggcgg ccccttcccc 300
tcctctttga tctttccttg cctggacctc tcccacgacc cgcttccttt tctctcccta 360
ttccttctcc atccgccttt tcctttccct tccttgtgtg gg 402

<210> 154
<211> 384
<212> DNA
<213> Homo sapien

<400> 154
ggcacgagat ggcagcacaa agaaagccca caatctgaaa actccagtct cctctaacac 60
tggctttgtt ttaaatcaag atgggaagag atacatgagg ggtgggaggg aagatatgcc 120
ggctgccctt tcttatctca gtgacgtaca tgcctcggga ttataggcac gcggatcact 180
gaacctcttt tttgtcattc ttcctatgac atttgcggca gaacttttta gttgattctg 240
ttcacatgaa atgtgacaag cattttaca ccatgagaca gctgactacc cacatgccac 300
acccattgta tgtgtcatca gccagccccg taactgcacc catggggtg cagctgcagg 360
ggagctgtgc ctttctcctc tcct 384

<210> 155
<211> 383
<212> DNA
<213> Homo sapien

<400> 155
ggcacgagaa cagactacaa gccctgccag gagcagagta agggaaacag aggagaaaag 60
tgtttttagt ctgtgcctga atgtatttac atctgtttgt agcccaaaag ccaaaagcgt 120
acatacgctt ggcttttctg tagctatgtt tatggcttta cagcagattt tatggagctg 180
caattacttt gatcatgagg gactgatgct agtggattta cttcaccaaa tggaactcac 240
tttgtggctt ctgaagaagg gacctttgtg gactgtcatg gagtagttaa gagtgcaggc 300
tctgatttag tgatcagagt ctgcattgtc aggaatggga caaaaggaag tatgtgggct 360
ttgataggat gccttgagag aat 383

<210> 156

<211> 398
<212> DNA
<213> Homo sapien

<400> 156
ggcacgaggg ggcgcgggcg cccctgcact agtcggaaaa aaccgagagg tttctcttct 60
cagggctgag tcaccagcac gcaggagaag agggcgaagc ggccacccgc gttctgtgtt 120
cggagtcagg acgagaagca ttgggtggga gcagggcgag gggctcgagt tgggtctgca 180
gcgggcacag gacctagttt tgtacagtta acggtggggt tgagtaaaga aggggccgg 240
tggggaggat gaaagctccc tttatttctt tccccagcga ccaggaggaa gctttcgttg 300
aattgagcgc cccttgcttc gatagcaggc cgaagaggga gctcattggc agccgttgct 360
aagaagtcga gatcttctag aaatgtacga accgagga 398

<210> 157
<211> 391
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(391)
<223> n = A,T,C or G

<400> 157
cgaattcggc acgaggagta tggaccgtgt gctcccaggc tcctgacata gggtcatgaa 60
ttagggccga gtgggagcnn ggagcccctc ccagtcaccc ggcagcagaa gcagcccggc 120
ttttggagga cattgtctcc tggagcagtg tcagtcccaa aaggtaactc agccctgctt 180
ctctcggctc agggttgaca gtgacctgng aatgacttct acaacgtaat tacgaattca 240
ctcagtttta gaatatattt agtagtctca gaagcgctaa ttcatacccc catgaaaagc 300
aaatttacta cctagagtac aggacttgga tacaggnctt tttggcttta ctcttaatgg 360
atntaggcaa aaaacctgtt tcccaaggtg c 391

<210> 158
<211> 391
<212> DNA
<213> Homo sapien

<400> 158
ttcgaattcg gcacgagggg actcggccca gaagccgagg gactctctag gctgccgggc 60
gctggtcgtc agcgccgagg ctgggctgag gcgccgcggt accatgaggc gccgcagtgg 120
ctgaccgagg agccaaatac aaagaaatta aagaagacct gggtcgagag aaataactga 180
agccatgaaa gcatatttct tcaatttcag tagagagagg agctgctgga ggaaaaggaa 240
ccagaaaaat ggtacttaag agattatggc atcagaaacc cacaatgtta aaaaacggaa 300
cttttgtaat aagattgagg atcatttcat tgatcttcct agaaaaaaga tctctaattt 360
cactaataag aacatgaagg aggttaagaa g 391

<210> 159
<211> 389
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(389)
<223> n = A,T,C or G

<400> 159
attcggcacg agaagaaaat agaaacccag aaaacaaaac aaaataaaac aaaaccatca 60
gaactgtgag tggaaactaa ggtgatgatc tgggagcaat acactaaaat cttgtgtcga 120
gacctatatg aaggctggca gtggagctaa acctggacat gctgaagaca agggagctga 180
accagggctc ctacatgaag cagggataac tgatggcagt aaatgtggtc tcaaattgca 240
gatggcctgg aggaaaattt cccaaattta gagcctcagg attcccaaag atcctccaaa 300
tatgagctca caatcaaaga tcagagacgt tgaagaataa aaaacacctt aagtggcagc 360
atanaaaaca gctaatttat gaccccaag 389

<210> 160
<211> 384
<212> DNA
<213> Homo sapien

<400> 160
ggcacgagaa gaaaatagaa acccagaaaa caaaacaaaa tacaacaaaa ccatcagaac 60
tgtgagtgga aactaaggtg atgatctggg agcaatacac taaaatcttg tgtcgagacc 120
tatatgaagg ctggcagtgg agctaaacct ggacatgctg aagacaaggg agctgaacca 180
gggctcctac atgaagcagg gataactgat ggcagtaaat gtggtctcaa attgcagatg 240
gtctggagga aaatttacca aatttagagc ctcaggattc ccaaagatcc tccaaatatg 300
agctcacaat caaagatcag agacgttgaa aaataaaaaa caccttaagt gggcagcata 360
aaaaacagct aatttagaac ccca 384

<210> 161
<211> 394
<212> DNA
<213> Homo sapien

<400> 161
cgttgctgtc gggctgccca caggtctgca ggcactcggt acgccgctaa cgcggcgagg 60
tagctcggtg cgtctcgcgg taccagtgcg aatcatcggg ctatccaggt ccgagatcct 120
agtctcctgt cggctctgag gaggatggat ccttctgcgg atacatggga cctcttctca 180
cctttaatat cattatggat aaacaggttt tacatttatt tgggctttgc tgttagcatt 240
agcctttgga tttgtgtcca gattgtcatc aagacgcagg gcaagaactt acaggaaaaa 300
tctgttccaa aagcagctca ggatttgatg acaaatggtt atgtctccct tcaagagaaa 360
gacatctttg tgtctggagt gaagattttt tatg 394

<210> 162
<211> 393
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(393)
<223> n = A,T,C or G

<400> 162
ttcgaattcg gcacgaggag cctgtggctc cccctgcggg ctgctcagcg gcgtgcacag 60
cccaaccaca cacctgcagg cccgcctggc ccttccagca accctgttag taacggcaaa 120
gaaacccgga ggagcagcaa gagatagcag tattttagcc actgaacttc agtggagggt 180
ggtgagcagt gtccttatcc accctaatct catactccct cattgtccag ctgaactacc 240
tgtcccctgg gagtcaggac cctctggctg ctctctttcc tctttagaaa tggcaagtac 300
ttgcttggcg cagtggctca cgcttgaatc ccagcacttt gggaagccga aggggcggat 360
cacctgaggc ggaagtcagg accgctcgac aan 393

<210> 163
<211> 398
<212> DNA
<213> Homo sapien

<400> 163
ggcacgagga aagaaggacc agccccttga ccgttctggc tggggaattg tccacgagga 60
agcctctgca cttccacaca tggcacagtt ctgcctgtga cctgccgcct aagctttact 120
ggaattcagg ttttgagact gagatgcgtg ttcgtatttt tccacttatc tgtcttgtca 180
gctggccgac ttctctgtga ttggtttttt aagtgccggg tgaattttgg acctctggat 240
gtgcagcaag tttttatgca ataagccttc ctttcaggtc tctaaaagct cctgctctga 300
tctgtggttt aacactgtgc agggctgtgg agctctgaga gacctgaacc cctacccatc 360
ccctgcacct ccctactctc cctgccgagg cgtccatt 398

<210> 164
<211> 388
<212> DNA
<213> Homo sapien

<400> 164
ggcacgaggt gaagacaaga aaggggcact attttaacac aacctttcc cgtgatcacc 60
accgaaaatt actgacgagt caatcacctc agatctctca agcagtccag cctacgcaac 120
agtactccac ctctgcgcct gtgcggggag ggtaaggcgg ggccagcaac ttcctcagct 180
ggagggagag cgcacggtgg agccgccagt tgagaaggac tctgatccgg ctcagctttc 240
caatcagctg cggaaggagc cacgctttcg ggggttgcaa gatggcggcc accagtggaa 300
ctgatgagcc ggtttccggg gagttggtgt ctgtggcaca tgcgctttct ctcccagcag 360
agtcgtatgg caacgatcct gacattga 388

<210> 165
<211> 386
<212> DNA
<213> Homo sapien

<400> 165
gattcgaatt cggcacgagg aagcacctgg aaaagagtaa gaaaaattag aacgcaagtt 60
tttcatgctc tctgatttcc ttaaggcagt agtaaccaaa cttcaaggga gacacctaaa 120
tagcaaaagt ccccaaatgc tgagtgttct agagctcaaa caagccatga gacaccagcc 180
agcagttatt cgtgtacact actcctggcc acagcctgca agcacactag cactgtgaag 240
gtcggtggtc actcagcaca gtgtttccag aacagcaact ctgctgtgca acttgggcta 300
cgtcatctca ggctacaatt gccatcctga ggcgaggcct gacgatcaca cagaactcaa 360
ggcagcaatg atcattcatt ctctta 386

<210> 166
<211> 394
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(394)
<223> n = A,T,C or G

<400> 166
attcgaattc ggcacgaggc caccccgtgg gcggcggggg cacagacact acacccgtca 60
ggcctgttaa atttccaagc ctccccagaa gcccagcctc ttctgccaat tctggaaact 120
tcaaccactc gcctcattca tcgggcggct ccagtgggat aggtgtgagc cggcacggtg 180
gggagctgct taaccgctca ggtggcagca tagacaatgt cttgtcccaa atcgctgccc 240
agaggaaaaa agcagccgga ttattggagc agaaacccag ccatcggtca agccctggtg 300
ggccagcacc ggggtccagc ccgtctgagc ttccagccct ccctgcaggt gcagcgctcc 360
tgttggcaag aaattgagac cagcaaaagc ctcn 394

<210> 167
<211> 395
<212> DNA
<213> Homo sapien

<400> 167
ttcgaattcg gcacgagatt gggtaccggg ccgggggcct gcaggacagc gacaccgagg 60
atgagtgttg gtcagatact gaggcagtcc cccgggcgcc agcccggccc cgagagaagc 120
ccctaatccg cagccagagc ctgcgtgtgg tcaagaggaa gccaccggtg cgggagggca 180
cctcgcgctc cctgaaggtt cggacgagga aaaagactgt gccctcagac gtggacagct 240
agggtctgct gcatctgccc ccttcttacc tcgtgccctg cagggctcca gggctatttg 300
gagggacctt gggctgcaca tctggcctgc ctgcaccagc tgcctgggcc ccaccctcct 360
gactcctgct gatggttaaa ggccgggagc agatg 395

<210> 168
<211> 386
<212> DNA
<213> Homo sapien

<400> 168
cgttgctgtc gggagcggcc acgagggctc cagagagagc catgtggagg gacctaggcc 60
agcagctgac ccagggctgg tgactccaag atcatgactg ccccagagag gatgtcagag 120
gcaggagggc cgatggcagt tccacagatg gcctcagagc acctgctctg ggccagggcc 180
ccccactggg tgctgagcag agagtggtga acaggcccgg gcagcaagct caactctgcc 240
tgcacgtggg gctctatcag ctgctgacct caggcctacc ccacaccagc tacatcaaaa 300
tctttgtagg tggaacctag ccttgaaaac ctttgtctat ttttattttg tttgagacgg 360
agtctcgccc tgtcatccag gctgga 386

<210> 169
<211> 383
<212> DNA

<213> Homo sapien

<400> 169
ggcacgaggg cgaaagatgc cgaagggtgg tgcagagaag tcacctggaa tgtggctcag 60
agaaccacgc aatgccctgg ggtctcccta ccccgtgcag gtcagtgagg gcacccgccc 120
atgcaacccc aggggccagc cacgtcgggc cacatgtgct ggggctgtgt gtgccagaga 180
acgggctgtg agtccctgtc tcagctggct cttgtgtggg actcctgagc caggaagcct 240
ccggctaagg aagccccgcc ttagcctgga gacgaccctc acgtccgtcc ctcacgtctg 300
tccctcggca agtgctcctc actgtggaga gggcagctgc tgacctgcag caagccaggc 360
ggcggatcaa gatttgtgcc aag 383

<210> 170
<211> 396
<212> DNA
<213> Homo sapien

<400> 170
attcggcacg agtggaggcc ccggagaccc caggagagcc accactttct cctgggttct 60
gaacacagcc caggtgggaa caatgctgcc cctcatgatg aagtggcctg tgtggcttga 120
gcgccccata gtccccagtc agagcagagt ggtgtcccca gatgacttca gaccccatag 180
ctgggcaaga tgcgcttgtt ttggactctg cgctgagcag aaccagctcc cccaactcct 240
gcagatagag aactgacttc cgagagctgt aggtgaagtg aggaccaggc agcagtccag 300
agctgtgagg ccccaggccc agaggaatgg aatgaagaaa gacctgttcc acacaaggag 360
gggttttcta gtggaagctg agcttggaag ctcctg 396

<210> 171
<211> 390
<212> DNA
<213> Homo sapien

<400> 171
ggcacgagga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 60
gagagagaga gagagagaga gagagagaga gagagagaga gagcgcgcct ctggcacact 120
ctctctctct acacactctg tctgtgcgcg ctccacactc tatataccgc acacacgctc 180
agagtgtctc cgcgcgcgcg cgcgccaaga cactctagtg cgcgcgtatt tgtgcgctct 240
ctctctcccc ccccacgcgc gcgccacaaa actctctttt tggcgctctc tggcacacac 300
actctcttct ctatgcgcac tctctctctg agtctctctc tcttatatat acccgcgcga 360
tacatatctg tgtgcgagac tctgtgtgcg 390

<210> 172
<211> 399
<212> DNA
<213> Homo sapien

<400> 172
ggcacgagct accctccacg ggagacgaag aggtgtttgt ttccggctcc accccacctc 60
ccagctgtgc cgtgcggagc tgcctctctg ccagtgccct ccaggctctg acccagtctc 120
cgctgctgtt ccaggggaaa acaccttcct ctcagagcaa agaccccaga gatgaggatg 180
tggatgttct tccctccact gtagaagact ctcctttcag tcgcgctttc tccaggaggc 240
gccccatcag cagaacttat acacggaaga agctcatggg aacctggctg gaggacttat 300
agccacaaac attactgagc ccaaaagatc aaggagtcag ccaggaccct gtggacataa 360

agaagttgga tgcctggtcc caagcctctt ttgccatgg 399

<210> 173
<211> 396
<212> DNA
<213> Homo sapien

<400> 173
gaattcggca cgagcccagt ggtgccaggg cagagtcccc ctccctgacc tgacttgtgc 60
acctcgtcac ccaccgccag cagtgtcccc ccacaacagg cttgctcagt acagcaccca 120
acccaagtcc ccagcaccca caccccagtg agtttcctgt gccctatagg ctcagctgct 180
tctcgtcctc cccccacttg ggatccttgg aacagggagt ggttcttatt taggtccctg 240
aggtaccaag cacaggcttt gctcttagca gccgccactc cagtgatgaa gccgttagca 300
gactggcctc tgcagagctc tgcggggagg tgcctggctt ctccggcctc caccctggcc 360
cagagctgcc tcctgagcag cggatcccaa cctgcg 396

<210> 174
<211> 383
<212> DNA
<213> Homo sapien

<400> 174
ggcacgagcc caggtctctc atgagaaact tgtttaccct cttagatacc cttgagtctc 60
ttgtctgtgt ctggtgtatt tatttattta gcctaccaag atagccactc ttcaggagag 120
ttctgaattt ggaaagaagt taggatcagg tgtgttggtc aagtgagaca cagaggaggc 180
cactcaacaa aacccatgaa ataccagaag cagtgagttc ctcgcaggtc cagagagaag 240
agggcagcac gctggactgg gggagccgtc aggacccttg tgctcgccag caggtgggga 300
gcaagagaga tggagtgtgg gccctgagag ctgaagcctt tatggggtcc aggccatcac 360
cccagcaggt tcccaagaag ttg 383

<210> 175
<211> 386
<212> DNA
<213> Homo sapien

<400> 175
ggcacgaggg caagagattc tccactgcta tgggcctcac aagagccgga tgggggttgc 60
cgaaaggcag cagaagctga ggtctcagta tttctttgac tgcgcctgtc cagcttgtca 120
aactgaggca cacaggatgg ctgcagggcc caggtgggaa gcattctgtt gcaacagttg 180
cggagcgccc atgcagggag atgacgtgct gcgctgtggc agcagatctt gtgcagaatc 240
cgccgtcagc agggaccacc tggtctctcg gttacaggac ctacagcagc aggtcagagt 300
ggcccagaag cttctcagag atggtgaact aaagcgagct gttcagcggc tgtcggggtg 360
ccagcgtgac gccgagagct tcctgt 386

<210> 176
<211> 383
<212> DNA
<213> Homo sapien

<400> 176
catcgattcg aattcggcac gagtgacaat gttgtcctcc tgttcatctg tgcaccactt 60

gacagactgt agcttctctt gctctcgacc ggccctgcat tcttccgcac cctccctagc 120
tctgaaatca actctcttcg gtcgtatcca ccttgcaccc gcaagtcaag ccgccccttg 180
tagaaaaatc cctccacctt ccgttccccg ctaggtcaac cccactgtag acaggaaagc 240
caggccagga gagtccgaat gagaatttat tgtgaatcga ttcccaagct cccttccggg 300
acaagtggtc tgggacaggg aggagcaacg gccccagcgc gcaacgctct gcgcgttcct 360
cccgaatccc gtcgcttctc gac 383

<210> 177
<211> 393
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(393)
<223> n = A,T,C or G

<400> 177
cgattcgaat tcggcacgag ctggagaaga ccagtaagat ctcggacctt atcagcagca 60
tcacgcagga ctaccacctg gatgagcagg atgctgaggg ccgcctggta cgcggcatca 120
ttcgcattag tacccgaaag agccgtgctc gcccacagac ctcggagggt cgttcaactc 180
gggctgctgc cccaaccgct gctgcccctg acagtggcca tgagaccatg gtgggctcag 240
gtctcagcca ggatgagctg acagtgcaga tctcccagga gacgactgca gatgccatcg 300
cccggaagct gaggccttat ggagctccag ggtacccagc aagccatgac tcatnctttc 360
aggggcaccg acacagactc gtcggggcac cct 393

<210> 178
<211> 386
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(386)
<223> n = A,T,C or G

<400> 178
ggcacgaggg gaaagcaaga acagcactgc tgggctggag acggcgggag ccgctgctct 60
ccggctgagg gaatcagaga cagctccgtc cctagtggag cgcaggggag gcagaagtca 120
tgacaggcga ggtggattct gaggttcacc tagaaatcaa tgacccaaac gtcatttcac 180
aagaggaagc agatagtcct tcagatagtg gacagggcag ctatgaaaca attggaccct 240
tgagtgaagg agattcagat gaagagatat ttgtaagtaa gaagttgaaa aacaggaagg 300
ttctacaaga cagtgattcc gaaacagagg acacaaatgc ctctccagag aaaactacct 360
atgacagtgc cgaggaggaa aataan 386

<210> 179
<211> 387
<212> DNA
<213> Homo sapien

<220>

<221> misc_feature
<222> (1)...(387)
<223> n = A,T,C or G

<400> 179
cgttgctgtc ggacggaagc tctgcctgtg cgaccgccgc ccacccgagc ctatctgggc 60
tgcgtcttct cgccgctgct cttcgtggcc caacgcccca atccttgcgt gtgcttgcag 120
tcccacccca cactcagcct tgtgtccctc gatccagtct ccgacttcca tttcccaccc 180
taaaccgcct acccggtgtc tgttccccgc ccggttgtcc tcgccctgct gcgctgagtg 240
tcccctgtta gcctcgaccc catggcgctg cagacgctgc agagctcgtg ggtgaccttc 300
cgcaagatcc tgtctcactt ccccgaggag ctgagtctgg ctttcgtcta cggctccggg 360
gtgtaccgcc aggcagggcc gagttcn 387

<210> 180
<211> 398
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(398)
<223> n = A,T,C or G

<400> 180
ggcacgagag agccaagatg gcaccactgt actccagcct gggcaacgag tgaaatgtcg 60
tctcaaaaaa aagaaaggta ccggttactg agggagacat caccgtggag acctgaaggc 120
cgatgacaga acttgaccac agggcgccgg gcagagggca cagtttggac tcgatacacc 180
ccagggacac agccccggag aatggatccc accagctcca gcattgctgc cccctctgct 240
ttctccttct tttggggctc tgctagtccc gagccttccc aggtcccctc tttcctgtct 300
ctaacaagtg tgaagctgag ccaggacctg ggagaggcag gtcctcgagc ccaagcagag 360
cccgaggttg ggcgcaaggn agaagaaggg gttcaaag 398

<210> 181
<211> 384
<212> DNA
<213> Homo sapien

<400> 181
ggcacgagag cacccatcag tacccagggt atccagccgg cccccattgg gaccccaggg 60
atacagcctg caccacttgg cacacaggga attcactcag caaccccaat caacacacaa 120
gggcttcagc ctgcacctat gggtactcag cagcctcagc ctgaaggaaa gacttcagca 180
gtggtgttgg cagatggagc cacaattgtg gccaacccta ttagcaatcc attcagtgct 240
gctccagcag caacaaccgt ggtgcagacc cacagccaga gtgctagcac caacgctccc 300
gcccagggct catcgccacg gccaagcata ctccggaaga aacctgccac agatggaatg 360
gcagttcgga aaaccctcat tcct 384

<210> 182
<211> 390
<212> DNA
<213> Homo sapien

<400> 182
ggcacgaggc tgcctcagcc cagtttgtgt ctcggctgct ccctgtgctg ttgagcaccg 60
cccaagaggc agaccccgag gtgcgaagca atgccatctt cgggatgggc gtgctggcag 120
agcatggggg ccaccctgcc caggaacact tccccaagct gctggggctc ctttttcccc 180
tcctggcgcg ggagcgacat gatcgtgtcc gtgacaacat ctgtggggca cttgcccgcc 240
tgttgatggc cagtcccacc aggaaaccag agccccaggt gctggctgcc ctactgcatg 300
ccctgccact gaaggaggac ttggaggagt gggtcaccat tgggcgcctc ttcagcttcc 360
tgtaccagag cagccctgac caggttatag 390

<210> 183
<211> 397
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(397)
<223> n = A,T,C or G

<400> 183
tcgattcgaa ttcggcacga gaagacattg aatccattag aaactttgca gctgaccatt 60
ttaatcagga aatcttacct gtattcctta acgccaatag aaactggaat tctccagttg 120
ctaatttcat aatggagtca caaagactgg aattaatcag actaatggag acccaagagg 180
aagatgtggt cctactaact gctggagagc acaataaagc atgctctttg ttaggaaaat 240
tacgactgga atgtgctgac cttctagaaa caagaggagt ggtgctccgt gaccccactc 300
tgttctcttt cctttgggtg gtagatttcc cactcttcct gcccaaggag gaaaatccca 360
gagagctgga atcggcccac cacccattta ctgctcn 397

<210> 184
<211> 398
<212> DNA
<213> Homo sapien

<400> 184
ggcacgagcc ttactgtacc cggtctaggt agactcctac gggaaatgcc tgcagaatcg 60
ggagctgcct accgcgcggc tacaggacac agccacggcc accaccgagg atccagagct 120
cttggctttc ttgtcccgct ataagttcca cttggccctg gaaaatgcca tctgtaacga 180
ctacatgaca gaaaaactgt ggcgtcccat gcacctgggc gctgtgcccg tgtaccgcgg 240
ttctccctct gtgagggact ggatgccgaa caatcactcc gtcatcctga ttgatgattt 300
tgagtctcct cagaagctgg cagagtttat tgactttcct gacaagaatg atgaggagta 360
tatgaaatac ctggcataca agcaacctgg gggcatcg 398

<210> 185
<211> 385
<212> DNA
<213> Homo sapien

<400> 185
cgttgctgtc gcggccggaa ttcttcccgg gattcctggg ccgagagcgg gtggctgagc 60
cgggacctcg cgtgattctc ggaacccgag gagaagcggc gtccggggct atggctgtga 120
ctctggacaa agacgcttat tatcggcgag tgaagagact gtacagcaat tggcggaaag 180

gagaagatga gtatgccaac gttgatgcca ttgttgtatc agagggtgtt gatgaagaaa 240
ttgtttatgc caaatcaact gccttacaga catggctctt tggttatgaa ctaactgata 300
ctatcatggt cttttgtgat gacacaatca tctttatggc cagcacgaaa aaaggggggt 360
tcttgaaaca gaatgccaca ctaag 385

<210> 186
<211> 398
<212> DNA
<213> Homo sapien

<400> 186
cgagcccaag cctcagttcc taaactcagg ggcatatcct caaaaacctc ttagaaatca 60
gggagtggtg aggacactgt ccagctctgc ccaagaggac atcatccggt ggtttaaaga 120
ggagcagcta ccacttcgag cgggctacca gaaaacctca gacaccatag ccccctgggt 180
ccatggaatt ctcacactca agaaagcaaa tgaacttctt ctgagcacag gcatgcccgg 240
cagttttctc atccgagtca gtgaaaagat caaaggctat gccctgtcct atctgtcgga 300
ggacggctga aacattttct catcgatgcc tctgcagacg cctacagctc cctgggcgtg 360
gaccagctac agcatgccac cttggcggat ttggtgga 398

<210> 187
<211> 386
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(386)
<223> n = A,T,C or G

<400> 187
ggcacgagga gaaagcctgc tgtgtttggc ttgttcagca gggtattatg aattagcaca 60
agtattgctt gctatgcatg ctaatgttga agatcgaggg aataaaggag acataactcc 120
cctgatggca gcttccagtg gaggttactt agatattgtg aaattattac ttcttcatga 180
tgctgatgtc aactcccagt ctgcaacagg aaacactgcg ctaacttatg catgtgctgg 240
aggatttgtt gacattgtta aagtgctcct taatgaaggt gcaaatatag aagatcataa 300
tgaaaatgga catactccct taatggaagc agccagtgca ggtcatgtgg aagttgcaag 360
agttctttta gatcatggtg caggcn 386

<210> 188
<211> 385
<212> DNA
<213> Homo sapien

<400> 188
ggcacgaggg atggacttcg tgtagatctg ctgacgatca cttcctgcca tgggcttcga 60
gaagatcgag agccccgtct agagcagcta tttcctgata ccagcacccc tcgaccattc 120
cgtttcgcag gcaagaggat attcttctta agcagtagag tacacccagg ggagactcca 180
tctagctttg tcttcaatgg ctttctggac ttcatcctcc gacctgatga tccccgggcc 240
caaaccctcc gtcgcctctt cgtctttaag ctgattccca tgttgaaccc cgatggtgtg 300
gtccggggac actaccgcac agactcacgt ggagtgaatc tgaaccgtca gtacctgaag 360
cctgatgccg tcctgcaccc ggcca 385

<210> 189
<211> 402
<212> DNA
<213> Homo sapien

<400> 189
ggcacgagct gagaaaatca tagagatcct ggagagcggg catttgcgga agctggacca 60
tatcagtgag agcgtgcctg tcttggagct cttctccaac atctggggag ctgggaccaa 120
gactgcccag atgtggtacc aacagggctt ccgaagtctg gaagacatcc gcagccaggc 180
ctccctgaca acccagcagg ccatcggcct gaagcattac agtgacttcc tggaacgtat 240
gcccagggag gaggctacag agattgagca gacagtccag aaagcagccc aggcctttaa 300
ctccgggctg ctgtgtgtgg catgtggttc ataccgacgg ggaaaggcga cctgtggtga 360
tgtcgacgtg ctcatcactc acccagatgg ctggtcccac cg 402

<210> 190
<211> 383
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G

<400> 190
ggcacgagcc tgtttgggct cttgtcattt tctcgctctg tggcactgtt cagaggatat 60
cacgggcccc ttgatttgta tccagaattt taccgaattg ctacagaccc aaccatccac 120
actgtcccag aaggcagacc tgtgaatgtc tgtgtgggaa aagagtggta tcgatttccc 180
agcagcttcc ttcttcctga caattggcag cttcagttca ttccatcaga gttcagaggt 240
cagttaccaa aacctttgc agaaggacct ctggccaccc ggattgttcc tactgacatg 300
aatgaccaga atctagaaga gccatccaga tatattgata tcagtaaatg ccattattta 360
gtggatttgg acaccatgag agn 383

<210> 191
<211> 393
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(393)
<223> n = A,T,C or G

<400> 191
cggcacgagg tccgctggga gaccagcctg cagctgatca tggatgtcct cctcagcaat 60
gggagccctg gggctggcct ggcaacaccc ccctaccccc acctccccgt cctagccagc 120
aacatggatc tcctgtggat ggctgaagcc aagatgccca ggtttggaca tggcaccttt 180
ctgctgtgcc tggaaaccat ttaccagaaa gtgacgggca aggagctgag atacgagggc 240
ctgatgggca aacccagcat cctcacttac cagtatgccg aggacctgat caggcgacag 300
gcggagaggc ggngctgtgc cgcccccatc cggaagctct atgctgtggg tgataaccct 360

atgtctgacg tatacggcgc caacctgttc cac 393

<210> 192
<211> 380
<212> DNA
<213> Homo sapien

<400> 192
ggcacgaggt ttatagacta cctccttcct ggaaaagtct cagcttcata ttctgttgaa 60
tatatgcaga attcttagtg tgaaaggtga tgtaccactt cagatcagtt ttcactggag 120
agacttgtaa ttggtagctg tagctcgtat ccatccctag tcactttgcc aggatgaatg 180
ctgttgggca gcagtagcct aagttacgga aggggagcag attgaatggg gttttgagac 240
atcttctctg ataccttagc tttccttctg ctctggtcgc tatccactca gtcgtgtgct 300
agaaatgttt aacaaccagg atctctgggg tgggggtggg ggggagcgct gaatttgtag 360
catttgctgc aaatataaat 380

<210> 193
<211> 371
<212> DNA
<213> Homo sapien

<400> 193
ggcacgaggg ctcaagaccg atgtccttca cgctgggccg ctcgtgggcg ggtcttaccc 60
ggcataccgc ggaaacggcg cgtcccgcca gctgcggctc cagcctggga gggagcgcag 120
cgcggggagc ctgcttcgtt tggagagtga ggaaaaggga cattccttgg aaatggacag 180
agccgagttc cttaaaggga tcgcagatga aagagaccct tttctaaatc agcaacgacc 240
tggcagcctt agttcctcaa caggagatgg ttcgaagatg aaatgtttga aactccgccg 300
ccgtttcacc tttgcacaca cgcgcacggc aggcccagaa tcgcacagag acgcttacac 360
tctcccgctc g 371

<210> 194
<211> 381
<212> DNA
<213> Homo sapien

<400> 194
tacggctgcg agaagacgac agaaggggtg acttaaaaca acaaacattt attacctcac 60
cttttctctg ggtcaggaat caagttgtgg cttagctggg tcctctgact ttgggtctct 120
gacaaggctg cagctcattc aaagctcgac tggaaaagat ccactcccta gctcaaatac 180
taatggttgc tggcaggatt gacttcctgc ctctgtttct cataaattct tccaccttca 240
attccttgcc acatacactt ctccatagag catctcacaa catggcagct ttcttagcaa 300
gtgaggggc aagagaaggt tccagcaaga gagaggatgc tcataagacc aaagttaaga 360
gtctttagta acctaatcat a 381

<210> 195
<211> 380
<212> DNA
<213> Homo sapien

<400> 195
cgttgctgtc ggttcccctc cacagactgt tcccttgcca gaagcacctg gtaagcctct 60

gcaagtcctc agaactagaa agattagaaa gagagagaga gaacacatgt ggatgatacc 120
acagtcagtg agaagggact ccaagctcat gcctctgggg gatggcctca ttgccatctc 180
tggatccaga gggcaaatta ttagcagttc tattcagaaa aagggctaga gagcaggggc 240
aagaaatcat gcttgcagtt gctcttgagg gcagatgtat tagtttgcta gggctgtcat 300
aagagagtac tgcagattgg gtgacttaag cgacagaaat ttcttttctt acaattctgg 360
aggctagaag tccaagctca 380

<210> 196
<211> 370
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(370)
<223> n = A,T,C or G

<400> 196
tacggctgcg agaagacgac agaannngtg acttaaaaca acaaacattt attacctcac 60
cttttctctg ggtcaggaat caagttgtgg cttagctggg tcctctgact ttgggtctct 120
gacaaggctg cagctcattc aaagctcgac tggaaaagat ccactcccta gctcaaatac 180
tagtggttgc tggcaggatt gacttcctgc ctctgtttct cataaattct tccaccttca 240
attccttgcc acatacactt ctccatagag catctcacaa catggcagct ttcttagcaa 300
gtgaggggcc aagagaaggt tccagcaaga gagaggatgc taataagacc aaagttaaga 360
gtctttagta 370

<210> 197
<211> 381
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(381)
<223> n = A,T,C or G

<400> 197
cgattcgaat tcggcacgag gttaaggatt ccaatttaac tttgaaaaga actgtctcat 60
tcatttacat ttctgttaca gtcagcccag gaggttacag tgagctctcc actaagaatc 120
tggaagaaat gcatcactag gggttgattc ccaatctgat caactgataa tgggtgagag 180
agcaggtaag agccaaagtc accttagtgg aaaggttaaa aaccagagcc tggaaaccaa 240
gatgattgat ttgacaaggt attttagtct agttttatat gaacgttgta tcanggtaac 300
caactcgatt tgggatgaat cttatggcac caaagactaa gacagtatct tttagaatgc 360
ttagggaaaa gggcctatgt g 381

<210> 198
<211> 373
<212> DNA
<213> Homo sapien

<220>

<221> misc_feature
<222> (1)...(373)
<223> n = A,T,C or G

<400> 198
tctacggttg cgagaagacg acagaagggc gggcatggtg gcacatgcct gtaatcccag 60
gcactcggga ggctgaggca ggagaatggc gtgaacccag gaggtggagc ttgcagtgag 120
ctgaaatcgc gccactgcac tctagcctgg gctacagagc gagactccgt ctcanaaaaa 180
aaaaaaaagg aaaaggaaaa atgggggggc ccggcccggg ggcttattct ttgaattcca 240
acccctttggg ggggcggggg ggggggaaaa aaagggtagg ggttttaaaa ccacggggcc 300
cagctgggga aacctttttc ttttttaaaa aaaggagagg aaggagaaaa cctctcttgg 360
gggcctttca tag 373

<210> 199
<211> 376
<212> DNA
<213> Homo sapien

<400> 199
agtgagtttc ttaacaaccc atcagaagaa gcaccaagaa aacctggcat atttcctaaa 60
acagtgaaaa ataagcccat tccagcctta agagttgtgg aagagaagaa aaagaaaaag 120
aagaagaaag gccgaatgaa aaaggaagac aatatccaag ccaaagaaga aaacatggac 180
acaagcaaca ccagcatcag taaaatgaaa agatccagac ccacatctga gggctctgac 240
attgagtcca ctgaacccca aaagcagtgc tcaaagaaaa agaaaaaacg ggacagagtt 300
gaagcatcta gcttacctga agtcagaaca gggaagagga agagaagcag ctctgaagat 360
gcagaatccc tagctc 376

<210> 200
<211> 377
<212> DNA
<213> Homo sapien

<400> 200
gtgacgagac tttccactgt aatccaacca cctaagttta tcaggtgctt cactgaggaa 60
gcctagtttt ttaagcacaa tagcaaaacc atcagctgtg tattttctcc tgttatttca 120
ttacagtagc tgcttgtggg aactaggaaa aattcttcca acatatttta aggcctaaaa 180
tcttagttcc ccattctcct accttataga ttcacaggcc tttctcgcct aggcatcata 240
gataaacgta attgtttggg gagttgaatt taatgaactt atctaacttt gtaacccatc 300
ttggctttag taactttatc aaggtggggg ctttaatgaa tataatggta aactttacag 360
gacgctaaag cctcctt 377

<210> 201
<211> 364
<212> DNA
<213> Homo sapien

<400> 201
ggcacgagga aatatttatc catgagtaca tataacatag atgtccagtt tttcaagtta 60
caaaaagcag acagccctcc ctttttttttt ttttttggaa aaggggtcc gcctgggccc 120
ccaggggggg caccaggggg ggaaattgaa ctaaagggac cccgcccccc gggggggaaag 180
gaaatttttg ggcccccccc cccccggacg cgggggcggg aaaacccaag aagcccgggc 240

cgggccccctg gcccaccagc agggggggaac agggggacat ctggtctaaa aaaaaagaat 300
ccagggtggt aagaccaaaa aaaaaaaaat tggaccggtc aaaacagggc ataataacgc 360
gggc 364

<210> 202
<211> 379
<212> DNA
<213> Homo sapien

<400> 202
ggcacgaggg tctgtggtct tacatgatga gtgccaccct tgccaatttg ccttcttcat 60
cctcctcacc ccctaagact tcttgattgc ccttggggtc tcaggacatt ctcttttcca 120
cctcaccgtg aatgccctgg ctcaggaccg acactttcct ttccaaagtc tgctttcagc 180
taactcttgg aaggaaatct ctcccatgtt tcactcaaag gtataaatgc ctgatgaggc 240
attacagcaa cttatgctga agttagtttt aggtgttggg catggagatc ctgtcacacc 300
ttacagggta gctggctgtc tcttcccatc tctcggtcca gtgaaccctt agaaaacaat 360
gccaagagtc tcctagttt 379

<210> 203
<211> 379
<212> DNA
<213> Homo sapien

<400> 203
aattcggcac gaggtagaat tgtccctggg tcttaacaac tcatttgtaa ctgatccagg 60
tctcctcccc ctgcttcctc aaacccaggc ttcgctgcct ctgcggagtt cttacctgtc 120
tctcctttcc acccgggttc cctggaggaa gctaaactca gaccaaggcc ctgggctccc 180
caggagttaa aagggaatac gctgtcccaa gattctagaa tgaagagtca acgtagcccg 240
agtggcttaa acctcctgtc cttaaatgca agaaatgttt tctatcgagc cctggacagg 300
tgtctctgct ggcctggggt tttcaacagg tcatgcctgc ctcagacccc agggacaaat 360
gttcttccag ctctaactc 379

<210> 204
<211> 373
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(373)
<223> n = A,T,C or G

<400> 204
ggcacgagag agagccaggt ccagagacac caagctggca acccaggcag gtgaaggcaa 60
ttcctctccc tacttaaaaa gagaattcct gggggagagg ggaggcacct tttgagaggg 120
agggggggcgg ctagactgtg ttcaggctgt tctgtctctt ggtccaggaa tagaaagagt 180
taaccctccc ccagaaattt gtcagccccc acacagcagg gaaacattgt tggaccctct 240
gacatgctaa cagtgtgaca ccggctgact ggagctagca gattctagac cctggactcc 300
cccttcaaag cccaacagga ctcggctggg tggtgccttt gttcaggacc ttgtgtgagg 360
caganatgag agc 373

<210> 205
<211> 365
<212> DNA
<213> Homo sapien

<400> 205
ggcacgaggg ccgtttcaac cttgactggc caaaaataac taataaactt ttttgtttta 60
agtcaggcaa gtgattttct acatttagca gtttgaaagt ccagtgttaa tgcaatattt 120
ctagtgagaa atgcttgtta ttaaaagcat gggagtgata gtgtgaaatg gtggtgagtg 180
cttctatcat attactgtag gtacttggac tggtgcaaac ttgaatcctt tttcatcccc 240
ttggtaggag ctatttaaat aatactggta aaaatcaaac atttctttgt ccatgtaata 300
ggaaatagcc aaatcactta gagttttcac tattatgaga gtatctgctt tatgaagcac 360
taaat 365

<210> 206
<211> 375
<212> DNA
<213> Homo sapien

<400> 206
ggcacgagat caagggtcca ccatgtgcca gccactgaag tagatataaa tacaaggatg 60
tgtaaggtat ggatgatggt atacgaactg tcatcttact ggatttgtcc gctctgttaa 120
agatacggtt ccgaaaactt tttaaagccc tagagagggc tttaaggcaa tgtagcatca 180
tatatagagg catcaacctg ttcatatctt tctatttaac agaactgtgc acctgggcac 240
aaggggtgc acaacaggat gtgtacagga gcactgttaa agtggagcac atccatacta 300
caagatctta tgccactgtt ggaaagaatg aagcgaagct gcacctgggt catgccatga 360
tctctaagac atatt 375

<210> 207
<211> 369
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(369)
<223> n = A,T,C or G

<400> 207
tacggctgcg ataagactac nnnnnncgat ccccaggcta agccattgtt tattctttgt 60
gaggtgtttg tcttgggaga tatatgcata caatgtggtg ttgctataat gagtgctgag 120
atttcaaccc tataagagcc atgggctctg gagaactgtg aactgggaca tttctaatgt 180
gatgaggatt gacaggttgt gtctgatacc atgtgctaac agcctgaaga tattgagaaa 240
aaggactaca caaaatgaat gaccaatgga cagtggattt gatacacggt cccttgatag 300
tgacttttga ggtgaaagtc acacagttca gctatctgag gattctggca ggcatcacta 360
taatcacct 369

<210> 208
<211> 380
<212> DNA
<213> Homo sapien

<400> 208
ggcacgaggt gaggagtttg aggggtctga agactgaaag agtcgaatgg tttgttggca 60
ggacctacaa gaatccctta ggatgaagct gagtcttacc aaggtagtta atggctgtcg 120
cctaggaaaa ataaaaaacc tgggcaaaac aggggaccac accatggata ttccaggctg 180
ccttctgtat accaagactg gctccgcccc acacctcacc catcacacgc tgcataatat 240
ccacggggtt cctgccatgg ctcagcttac gctgtcatcc ctagcagaac atcatgaagt 300
cttgacagaa tataaagaag gagttggaaa gtttataggc atgccagaat cactcttgta 360
ctgctccctg cacgatccag 380

<210> 209
<211> 368
<212> DNA
<213> Homo sapien

<400> 209
ggcacgaggc tgagggcttc agccaggacc tgggctgtga ccacatcctg gtgatagact 60
ccgggggctt gataggtggg gccttgacgt cagctgggga cagatttgag ctggaggctt 120
ccttggccac tctgctcatg ggactgagca atgtcaccgt gatcagtcta gctgaaacca 180
aggacattcc agcagctatt ctgcatgcat ttctgaggtt agaaaaaacg gggcacatgc 240
ccaactacca gtttgtatac cagaaccttc atgatgtatc tgttcccggc cctaggccca 300
gagacaagag acagctcctg gatccacctg gtgacctgag cagggctgca gcccagatgg 360
agaaacag 368

<210> 210
<211> 374
<212> DNA
<213> Homo sapien

<400> 210
tacggctgcg agaagacgac agaagggata cttttaaata atctgtctca cttactgaaa 60
gaaaccacaa aacgcacaaa atatgaaagc taacacctgc cctccatata tcatcttcct 120
atgtctccca ccacaaccac aaaactactt ccagagaact aaatttttat tgacaatgga 180
aatcaaggta aaccctggaa tttttcctat tccattctaa ctttaatggt ttagatgact 240
acagacatgt tctcacagac cccacatatc tttggatcct cctactaaag gtagggttag 300
taaatgtccc atccttggga cataatttac tcagttgatt aaaatactgg tcttcgccag 360
agttggtttg gcag 374

<210> 211
<211> 377
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(377)
<223> n = A,T,C or G

<400> 211
aattcggcac gagggcgaaa gatgccgaag ggtggtgcag agaagtcacc tggaatgtgg 60
ctcagagaac cacgcaatgc cctggggtct ccctaccccg tgcaggtcag tgagggcacc 120

cgcccatgca accccagggg ccagccacgt cgggccacat gtgctggggc tgtgtgtgcc 180
agagaacggg ctgtgagtcc ctgtctcagc tggctcttgt gtgggactcc tgagccagga 240
agcctccggc taaggaagcc ccgccttagc ctggagagac cctcacgtnc gtcctcacgt 300
ctgtcctcgg aagtgctctc actgtgagaa ggcagttgtg acctgcacaa gcaggcggcg 360
atcaagattg tgccagt 377

<210> 212
<211> 372
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(372)
<223> n = A,T,C or G

<400> 212
cgggactcag ccctgtgctg agccccgggc agtgtgatca tcctggccct tctcgtgcac 60
gtcccctggc tggatgctcc ttgctgccct cacggggtgt gtgtgtggca tacaggacag 120
ggaccggcca gttggccctg ctcattaacc acttgtcccc acagggcagt ggcggcctca 180
cctctgcaat tctctgaggc tggatctagg ccaccgcccc gtttaaaact agggcatcgg 240
ctcccaggga gggcggngag ctgcacagtt ggacttgtgg gggcaggcat ggatccacac 300
agcccggngc cctccgcacc cttgccctcc agggagccca gaaggcggcg tggctgcagc 360
ctggctctgg gg 372

<210> 213
<211> 376
<212> DNA
<213> Homo sapien

<400> 213
ttctacggat gcgacaacac tacagagagg caacaattcc tgccaacaca ggaacccaca 60
cagcgatgtg gaaaaaatct tccaaacact ccacggtagc cacacttacc acatcccgat 120
ataaggtcca ccatatgcac acacaattgc agaaatctgt cctcgtttct gcactataaa 180
taaaaatcct gaaggaaatc cagcccaccc agacattata tgggaatcac aacaaccaaa 240
gcccctggta aaaagtcact tcaaagctga atccactgca tacgcagcag ccttgtgaca 300
cagttataaa ctcttcccta ctacaagctc atagggcgtc ccattaccct gtggacccat 360
tatcctgggg acccag 376

<210> 214
<211> 376
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(376)
<223> n = A,T,C or G

<400> 214
ggcacgaggt tccgtagccg cgatgctgcg ctatttccag gctgcgagcg gggacttcac 60

tgctctgctg tctcctgcaa gaactggctc aagaaatttg cctcgaaaac caaaaaaaag 120
gtttggtatg aaagtccttc cttgggttct cactcgactt acaaaccatc caagttggaa 180
ttcctcatga ggagcacctc aaagaaaacc aggaaggaag accatgcgcg cctgagggcc 240
ctgaacggcc tcctctataa ggcactgaca gacctgctgt gtacccctga agtgagtcag 300
gagctgtatg accttaccgt gagcctctca aggtgtcctg actcagactc tcagcctgcc 360
gagcgactga aagacn 376

<210> 215
<211> 381
<212> DNA
<213> Homo sapien

<400> 215
tgcacgaggg gaaagcaaga acagcactgt tgggctggaa acggcgggag ccgctgctct 60
ccggctgtgg gaatcacaga cagctccgtc cctaatggag cgcaccggag gcataattca 120
tgactggcga ggtggattct gaggttcacc tagaactcaa tgacccacac gtcatttcac 180
aagaggaagc ggatagtcct tcagatagtg gacagggcag ctatgaaaca attggaccct 240
tgagtgaagg agattcagat gaagagatat ttgtaagtaa gaagttgaaa aacaggaagg 300
ttctacaaga cagtgattcc gaaacagagg acacatatgc ctctccagag aaaactacct 360
atgacagtgc cgaggaggaa g 381

<210> 216
<211> 374
<212> DNA
<213> Homo sapien

<400> 216
ggcacgagcc ccctgttcct gtgcctgctg caggccgctc cagggaggcc ccgtctggcc 60
cctccccaga atgtgacgct gctctcccag aacttcagcg ggtacctgac atggctccca 120
gggcttggca acccccagga tgtgacctat tttgtggcct atcagagctc tcccacccgt 180
agacggtggc gcgaagtgga agagtgtgcg ggaaccaagg agctgctatg ttctatgatg 240
tgcctgaaga aacaggacct gtacaacaag ttcaagggac gcgtgcggac ggtttctccc 300
agctccaagt ccccctgggt ggagtccgaa tacctggata acttttttga gttgagccgg 360
ccccaccctg tcct 374

<210> 217
<211> 379
<212> DNA
<213> Homo sapien

<400> 217
ggcacgaggg atggacttcg tgtagatctg ctgacgatca cttcctgcca tgggcttcga 60
gaagatcgag agccccgtct agagcagcta tttcctgata ccagcacccc tcgaccattc 120
cgtttcgcag gcaagaggat attcttctta agcagtagag tacacccagg ggagactcca 180
tctagctttg tcttcaatgg ctttctggac ttcatcctcc gacctgatga tccccgggcc 240
caaaccctcc gtcgcctctt cgtctttaag ctgattccca tgttgaaccc cgatggtgtg 300
gtccggggac actaccgcac agactcacgt ggagtgaatc tgaaccgtca gtacctgaag 360
cctgatgccg tcctgcacc 379

<210> 218
<211> 374

<212> DNA
<213> Homo sapien

<400> 218
ggcacgagct caagcagacc acctccttct atgccctgct cacctgcggt atcatcatcg 60
ggggcttctg gcttggtgtg gaccaggagg gggcagaagg caccctgtcg tggctgggca 120
ccgtcttcgg cgtgctggct agcctctgtg tctcgctcaa cgccatctac accacgaagg 180
tgctcccggc ggtggacggc agcatctggc gcctgacttt ctacaacaac gtcaacgcct 240
gcgtcctctt cctgcccctg ctcctgctgc tcggggagct tcaggccctg cgtgactttg 300
cccagctggg cagtgcccac ttctgggggа tgatgacgct gggcggcctg tttggctttg 360
ccatcggcta cgtg 374

<210> 219
<211> 358
<212> DNA
<213> Homo sapien

<400> 219
ggcacgaggc ccctcttcca gcccccagca gttgctgggc aaagtggaga atctgtgtgg 60
ttgggggaga gagaacacag tgatagtaga actttgcatc agaacttagt gctgtcaaca 120
ttggatggaa ctcaactgat gccaatagag ggagtatttc aataagccct agtcagaagg 180
aaatttccca tccagaggtc tgaacttgag ttttggcaag ccttgccact gtgaactaat 240
atgatacaga gtcctaaata aacttgaaag acagtctagg ccacaaactg caattcctaa 300
gctagtccta gtactgttct gggctcagag ccagtgaagt tgggggcata tgatcaag 358

<210> 220
<211> 361
<212> DNA
<213> Homo sapien

<400> 220
tacggctgcg agtgacgaca gaagggaccc ttaaggagtt ttgctaccac ccatacggca 60
actgtctctc ccgttagacc tgggggcctc aaccttgacc cccatatgta gttggtgggg 120
gaggcagagg tggtctctgg gcagggatac aggacaaaaa actgtgtttt cacaaagtat 180
aaggagtttt actttctaga gtgccccccа tcctactttt gactctgatt aaaaattacc 240
tatgagactt tgtgccttaa aaaataattt ataggccggg cacagtggct cacgcctgta 300
atcccagcac tttgggggac caaggtgggt ggatcatagg tcatgagatc gagaccagcc 360
t 361

<210> 221
<211> 351
<212> DNA
<213> Homo sapien

<400> 221
cgttgctgtc gcggggactt ggacgtttct catagacaag gaactaattt ctgtgattac 60
tactcctggg attccctaac tcagaacaca cattcaggtg catctgccac agggtcattc 120
taagggtgtg cttaagttac tgctatcagg gcacttgccc tacagtagtg tcaggcattt 180
tgcctgtatt tgcatccact gtgtctcagc taactgcgtg tgtttggcca agttatttag 240
taataccttg tagggttacc aggagcagct aatgagactg tgtgtaaaac gagccacctc 300
tgtggcctgg aataaagtgg agcttcattg gtgtcagttc ttttcttttc t 351

<210> 222
<211> 352
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(352)
<223> n = A,T,C or G

<400> 222
nnttttttgtg cttgaagacg acagaagggg actccattga ggactagttg ctctcctgca 60
cgtgatgaca ggagtaaaat ataattgact tgtcagaagg tatccggttg gccccagaag 120
gtatagtatc atctcaggag atcaaggaag gtatccttct gcagtttggg ggatctgaag 180
aaaagctgag cagatcagaa atgaactcag cagaattaac atttgaaaga gagaaacaag 240
gacaccaaga agcaatttca cccaggaaag cattccgtta tgaaatccaa gctctcttta 300
catgaagact cagcctgcag acagctccct acacatgcac cccacaggga ag 352

<210> 223
<211> 349
<212> DNA
<213> Homo sapien

<400> 223
ggcacgagga cactagagcc cctggtctga gagggagaag cctggatgta ggaaaacccg 60
tttccacccc aggccctact ccctagcctt ttccaagtgg gacatggaag aggcagcctg 120
ctgcctggat gctggtctcc ccagcatcac tgttcccatg gagctcaggt caggctctgt 180
attcagaccg agggtttgtg tgaggctcat agcaaatgaa caagtgccat tcaagggtta 240
gaaactgctc agccacaggg tcccagtgtc tgagtctgga agagtcttta cagatttgtt 300
cactctctga gggatcctcc tggctctggt tacatacttt cagggacgg 349

<210> 224
<211> 355
<212> DNA
<213> Homo sapien

<400> 224
ggcacgaggt gagagttttt ccttaaaaca aaggggcagc aggaaactcc aggagttccc 60
aaaaaaagaa acgcagtcgg cctccaggca taccaagcac tcttgcttcg atgaccgtga 120
aagaaacgcc agtttacctg cgacaccagc atccacacct caggccgagg agcaggagct 180
gtggagggca cgcggggcag gggaggtctc tccacactgc ccatggggcg tgtgatctgg 240
caatgccacc aaatctacaa gtggacacac cttcccacga acccaccccc gggctctacg 300
ccaccctcac gcaccccagt cctctgcccc agcattttcc acatggcttt gctgg 355

<210> 225
<211> 355
<212> DNA
<213> Homo sapien

<220>

<221> misc_feature
<222> (1)...(355)
<223> n = A,T,C or G

<400> 225
ggcacgagcc taggggtggc aggatccgct cccccagccc agctgctggc ctatgagagt 60
agggagtttg atgacatcct ccagtgggac ttcactgagg acttcttcaa cctgacgctc 120
aaggagctgc acctgcagcg ctgggtggtg gctgcctgcc cccaggccca tttcatgcta 180
aagggagatg acgatgtctt tgtccacgtc cccaacgtgt tagagttcct ggatggctgg 240
gacccagccc aggacctcct ggtgggagat gtcatccgcc aagcccttgc caacaggaac 300
actaaaggtc aaaaccttca tcccaccctc aatgtacagg gccacccact acccn 355

<210> 226
<211> 352
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(352)
<223> n = A,T,C or G

<400> 226
ggcacgaggc agggccctga cagtgagtgt ggctgaggtc ctctcctgcc cgcacacaca 60
cgagtactcc ccggcatcca ccacagccag gccacggatc tgcagctcac acctggaccc 120
atcctgcctc aggctgtgtc tgtccccatc tctgagggtc tcatgccccc tcctccactc 180
caccggtgcc gccttgctca gctcacacca cagcgtggcc gtgtcccctt ctgtggcctc 240
ttcattcctc agaccctcta tgaacttgga aggcatggcc ctgacggtga gcatggctga 300
ggtcctctcc ttcccgcaca tgcacaggta ctccccagcg tcctctgcca cn 352

<210> 227
<211> 318
<212> DNA
<213> Homo sapien

<400> 227
tacggctgct agtgacgaca gaagggaccc ttaaggaggt ttgctaccac ccatacggca 60
actgtctctc ccgttagacc tgggggcctc aaccttgacc cccatatgta gttggtgggg 120
gaggcagagg tggtctctgg gcagggatac aggacaaaaa actgtggttt cacaaagtat 180
aaggagtttt actttctaga gtgccccccat cctactttga ctctgattaa aaatacctat 240
gagactttgt gccttaaaaa ataattatta gccgccacag tgctcacgcc tgaattccca 300
gactttgcgg accatgtg 318

<210> 228
<211> 132
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(132)

<223> n = A,T,C or G

<400> 228
accnaattcc ctgagctggc acctaaccaa aatcaaaatc atttgaagga ctggttcttg 60
gagaacaaga gtgaagtacc tgaatgtaga aacaatgagg atggacctgg gttaataatg 120
gaagaacagc cc 132

<210> 229
<211> 708
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(708)
<223> n = A,T,C or G

<400> 229
attcgaattc ggcacgagag ctggggctag aaaaatgaat aagattgggt tcctgacccc 60
agcccaggct cacactgtag taaagggaaa cagacatgaa cactaggtga catggagtgt 120
taggggcgct atggtagaag tctgcagaga gtgcaatggg cgtccaaatg aggaagtgat 180
cacttgcaca agagtgggag gcttggctgg aaaggcttct ctgaatagga tgacatttga 240
tctgtgtttt gaagggcatc gttggcaagg taagtaatcc aattaaagga ggttgcctca 300
gctaaagcac agtatgctca aaggtgcgga tcatttgaaa atttgagttc aggtgcagta 360
ggggtaaggt aagtatccaa cagaattttc tacaatgatg gaaatgttct atattgtcac 420
tgtccaatac gggagcctct agccacattt ggccagtaca actgaagaat tgaatattaa 480
ctntcattta attctagcta atttanaatt aaataggttc atcagntagt ggctaacata 540
tttaacaagt gcacgttaga gaataaaaga aggcaagtgc gagaaggttt tggtatcata 600
ttgggaggac tgaattttct tctgcagccc ttttgtgttt tgacaaaggc ttgacaacag 660
cgtaatatat cantttтcct gtggagtgcc caagctgcag cagataan 708

<210> 230
<211> 698
<212> DNA
<213> Homo sapien

<400> 230
attcgaattc ggcacgaggg aggacgttgc gtggagtggt gggaggaggc gggagccgtg 60
tgcgagagca ggtggaaagc cttgaggggc aggaccagga tgcagctggc ttgtataaga 120
gctcaggagt gagcctggca ctccagaggg cgcggcgggt ggggaggcag caggcaccag 180
tccaggagag cttcgtggac gtggctcctg cgcgcacacc cccaggagca cagccacggg 240
ctgcaggtgt ggctggcctc agcactcagt cctcacccgg agcctttgcc tgctcctcct 300
tccaagagca ctgaggcacc agtgggcttg gcactccacc ttgggcttcc ttttcctgga 360
gagccgcctt gagggtccct cctgtgactg gggtctctgc agcgagagcc gcgggggttg 420
cggagcccct gcctggggga gctggcggaa tgcgagccgc cggccggggg cctgcacata 480
agacctgcag gtggtgcctg gggccctggc tcttttcggg tgcccttggc actcagaaaa 540
gaccccacca gcttagaagc ccagcggttg ctcaccacct ggaaggccaa gagaaaaaca 600
ccccgggctt gcaattgttt tgggtctact tgtaaagatg aggggaagtt gaggcccgcc 660
tgcacactgg tccctacaaa caaagcctgt gtgtccag 698

<210> 231

<211> 662
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(662)
<223> n = A,T,C or G

<400> 231
acaaggtgga cgcccaggag gagaactttc tgcccaagta ccagcgtgtg aaggacctgt 60
gtcagcgtgc tgagtaccag acggcgtgtg agcagctggg acagaagtgg cagtgtgtgg 120
aggacgccac ggggaagctg aagctgcata agtgcaaggg ccccatgcgg ctgggcggca 180
gcagagccct ctccaacctc gtgcccaagt actacgggca gggcagcgag gcctgcacct 240
gtgacagcgg ggactacaag ctcagcctgg ccggacgccg gaaaaaactc ttcaagaaga 300
agtacaaggc cagctatgtc cgcagtcgct ccatccgctc agtggccatc gaggtggacg 360
gcagggtgta ccacgtatgc ctgggtgatg ccgcccagcc ccgaaacctc accaagcggc 420
actggccagg ggcccctgaa gaccaaaaag acaaagatgg tggtgacttc agtggcactg 480
gaggccttcc cgactactag gcggcacccc attaagtgaa cattaggctt cttctaaaga 540
caaacagtcc atgggactgg acttgtcaag tcctgaggcc tgaagacaca acttccaatg 600
acccgaattg gaacctgcga acaaatataa actgagggag ccgaggtccc tgagaaaacg 660
gn 662

<210> 232
<211> 629
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(629)
<223> n = A,T,C or G

<400> 232
tacttttgcg agaagacgac agaagggttg agagacctgg tcttactgga tgaggctttg 60
gaaaccaacg tgaggcaggc gctagcacat cctgagaggg gtgtgacctg gcacacaggc 120
ccagcctggg cttcatgtct cagctggcaa gactgcctgc tcattgccat tccaggccgg 180
gcagggccaa ggggcttcag ggacccatgc cctcatgggg ctcattgagc tcgtctccca 240
gcagccaagg ccctggcatc tccaaatgaa gccagctgtg ggggaaggtc cttctcatga 300
gccagtctgt cctggctggg ggtggcatcc cagagcccca tctaggatgc ccagggatgt 360
ataggtctgt tgtgaggata agccagcact gagccctcac cctggactgg gagggcagtg 420
ggcctgctct gagccctcac cctggactgg gagggcagcg gctctgctct gaaccctcac 480
cctgggactc ggggcagccc gcctgctctg agccctcacc cttgacttgt ctcctctgtt 540
cacgtcatgc cgtggaggaa gtggtgaaag aggtggtggg acatgccaan gagactggag 600
agaangacag nccgctgagg tcggcaggg 629

<210> 233
<211> 233
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(233)
<223> n = A,T,C or G

<400> 233
ctcggcacga ggagagcagn ttttttttc nnnntacctt ggtgggtttt tttctttttg 60
gggggttttt ctttttatt ttttctttt ttttgccccc ccccgggggg ggaaaaaaaa 120
aacgggggc tctcaaaacc ccccccgggg ggggggggg ggggggggg ggacccccc 180
ccctgggggg ggccaaaaaa aaaaaaaaac cgggggggg gccccccccc ccc 233

<210> 234
<211> 614
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(614)
<223> n = A,T,C or G

<400> 234
tcgattcgaa ttcggcacga ggcaagaacg acatcatcac aatcgtgtct cagaaggacg 60
agcactgctg ggtgggggag ctcaacggcc tgcgaggctg gtttccagcc aagttcgtgg 120
aagtcctgga tgagcgcagc aaagagtact ccatcgcggg ggatgactcg gtgacggagg 180
gggtcacaga cctcgtgcga gggaccctct gcccggccct taaggccctg ttcgaacatg 240
gactgaagaa gccatccctg cttgggggcg cctgccaccc ctggctgttt atcgaggagg 300
ctgcaggccg ggaggtcgag agagactttg cctccgtgta ttcccgtctg gtgctctgta 360
agaccttcag gttggatgaa gatggcaaag tcctgacccc ggaggagctg ctctaccggg 420
ctgtgcagtc tgtgaacgtg acccacgatg caaggcatgg ccaaaatgga tgtgaagctc 480
cgctcactga tctgcgtggg gctcaatgag caggtgctgc acctgtggct ggagtgctct 540
gctcagcctg ccaccgtgag aaggtaccag ccctggtctt ctggcagncg ngctggtcag 600
atcagggagc tcaa 614

<210> 235
<211> 599
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(599)
<223> n = A,T,C or G

<400> 235
tacgtctgcg agaagactac agaagggctg ccaccacgcc cagctaattt tttgtatttt 60
tagtagagac ggggtttccc cgtgttagcc aggatggtcc cgatctcctg acctcgtgat 120
ctgcccgcct cagcatccca aaggcttggg attacaggcg tgagccactg cgcccaggct 180
ttatttattt atttatttat ttagagacac agtgtcactc tgttgcccag gctggagtgc 240
aatggtgtga catagctcac tgtagactcg aactccttgg ctcaagccag cctcccactt 300
tggcctccca aagtgctgcg actgcagatg taagccacca taacccacct ctgttgttgt 360

tgtaaaggta aaatttcaga tctggcatgg tggcttatat ctgtaatccc agcactttgg 420
gagccaggta ggaggattgc tgagcccgga gtcaagacca gctggcaaat gcaagatctt 480
gttacaaagc aaacaacaaa aaatttccaa gccagcatgt ggtccgcctg tatctacact 540
ttggagtang gggcagaaac ctagtcagat ttagatcgct aaccaatgtg gaactgctt 599

<210> 236
<211> 227
<212> DNA
<213> Homo sapien

<400> 236
ggcacgagct tcaatggtgg ttatattttc acctgtcgac atgttgtaca tcttatggtg 60
ggtaaaaaca cacatccaag tttgtggcca gatataatta gcaaatgtgc gaaggtaacc 120
ttcacttata cagagttctg ccctactcct gacaattggt tttccattga gccatggctt 180
aaagtgtcca atgaaaatct agattatgcc attttaaaac taaaaga 227

<210> 237
<211> 218
<212> DNA
<213> Homo sapien

<400> 237
ggcacgagtc catttgaaaa atcttggtac tgctaaatta tttgatatga actcaatcca 60
gcatttgtag caggttttga atgggtggga ctgggtgggg aacagcattg gacattaata 120
gggcactttt cagacccatt ttttaaagtg ctagaaaatg ctttttttaa aaaaaaaata 180
caagttttaa aatgaccact tactctttaa ttatttac 218

<210> 238
<211> 210
<212> DNA
<213> Homo sapien

<400> 238
ggcacgagcc ggcccaggat tagcgccctg ggagcgcgcg ccccgctgcc tcgccgccac 60
actttcctgg gagcggcggc cacggaggca ccatgaagaa gtcttactca ggaggcacgc 120
ggacctccag tggccggctc cggaggcttg gtgactccag tggcccagcc actgaggcgg 180
ctcccagctg cgttggcgac atggccgaca 210

<210> 239
<211> 466
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(466)
<223> n = A,T,C or G

<400> 239
ggctcgagga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 60
gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 120

gagagagaga gagagagaga gagagagaga gagagagcgc gcgggcgcct ctctctcttt 180
ttctgtctct ctcgcgcgag atatttgtgt tctctctctc tcaccctctt gtgggcgcgc 240
gccccccccc ccctctctct ctatttctct ctgtgtggcg gcacacagag tatacactct 300
ctccccatca tccttctctc ttacagaggg gcttcttttt ctttactcac actctctcac 360
gggaaatttt tnttttttgt ttttttgccc ccggggctcc ctatttttat attataccc 420
ccccctcct ttgtgttttt ttttccccg cccgaaattt tttttt 466

<210> 240
<211> 467
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(467)
<223> n = A,T,C or G

<400> 240
ggcacgaggg gtttggggac cacacaggca cctgccttcc tagatttccc tggctcactt 60
ttctgcaaac actggatctg ccaggcctgg ggattggggg gcaggaaaga ggccccccatc 120
cagccccctc caggccagtg tgcacagtgc accgaggggt catccgcaca gagcgaggtg 180
caagctcgat gtgtaacctg gctgcggcac ccgacatccc cggtctcggg gtgttgattt 240
atttctgaat aacttttttgg gtatagaaac caatttttttt taatatatga catgtatatg 300
tacacactca tgtgaaatat gtatactttg gggggatcta tttatgttcc agtgggagtc 360
actctcttct gtcgggaatc ttatctgctg ctttgtgtct ttggtcagat tcctgacaat 420
ntagtttcct gttgaaaggt gctttttctg gngtgactaa acctatn 467

<210> 241
<211> 444
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(444)
<223> n = A,T,C or G

<400> 241
ggcacgaggt ttttcagtgc atatgctgca caagaacaaa atataaatct gtatggcacc 60
aaaaatcaaa gtgaaaacca aaccaaaaac ccaaacaccc tatgtaacta tcggaggcat 120
atacgtggta taaatgactg tagctgtgat acacacatgg ctacttgtca catcactttc 180
cataattatt tactgccaaa tgattgagag gcttttgggg caggcagacc gtaacctcct 240
gacttctttg ttacctctgg attactttag caggaattgg aggtctttta agagaagtaa 300
gcttcagttn tatcacaaca aaacaatatt cctgcttatc tgaagaatgc agcgtggggc 360
aaaaaaggct ggctataata atgcctcata ttgaggggct ggaaacggtg gcacttcagg 420
cctgagttgt gagagctctg gaag 444

<210> 242
<211> 437
<212> DNA
<213> Homo sapien

<400> 242
tctcaagcca ctcgttcttt tttttgatcc ctcccttcga attcggctcg aggagagaga 60
gagagagaga gagtttttta gagagagaga gagagagaga gagagagaga gagagagaga 120
gagagagaga gagacagaga cagacagaga ctgagagaga gagagagaga gagagagaga 180
gagagagaga gagagagcgc cctctttttt tttttctctc tctccccccg ctcactcttt 240
ttttctctcg cgcgccctct ctttttttcta tacattctct gtgtatatag agacagtgtc 300
tatccttttt ctctctctct gtatatgcgt tctgtgtgtg tgttatctct ctctcacgca 360
cacacagaac acacccccccc tctctgtctg tgtgtctctt ttttcttttt gccctctctc 420
tctgtctctg cttaacg 437

<210> 243
<211> 440
<212> DNA
<213> Homo sapien

<400> 243
ggcacgagaa cacagcgagg aacttggaac tgaggagggc gaggttgaag agatggacac 60
tttagaccct cagacaggtc tgttttaccg atctgccctg actcagtcac agtcagctaa 120
acagcagaaa cttagccagc ccccgctgga acagactcag ctgcaagtga aaactctgca 180
gtgcttccag actaaacaga agcagaccat ccacctgcag gcagaccagc tccagcacaa 240
actcccgcaa atgccccagc tttccatcag gcatcaaaaa ctcacccctc tccagcaaga 300
acaagcacag cccaagccag atgtacagca cacacagcat cccatggtgg ccaaagacag 360
gcagcttcct accttaatgg cacagccccc gcaaactgta gtacaggtgc ttgcagtgaa 420
aaccacgcag cagctcccta 440

<210> 244
<211> 437
<212> DNA
<213> Homo sapien

<400> 244
gattcgaatt cggcacgagc aagctgaagc acaagcatgg ccttgtggag cgggcgatgg 60
atgactacag tgtgatcggc cgctccctgt tcaaaaagga aaccaacatc cagctcttcg 120
tggggctcaa ggtgcacttg tccactgggg aactgggcat catcgacagt gccttcggcc 180
agagcggcaa gttcaagatc cacatcccag gtggcctcag ccccgagtcc aagaagatcc 240
tgacacccgc cctcaagaag cgggcccggg ctggccgtgg ggaggccacc aggcaggagg 300
agagcgccga gcggagcgag ccctcacagc atgtggtgct cagcctgact ttcaagcgtt 360
atgtcttcga cacccacaaa gcgcatgggt cagtctccct gagtgtcccg gtgacctccc 420
ccaggcctcc tttgccc 437

<210> 245
<211> 438
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(438)
<223> n = A,T,C or G

<400> 245
atcgattcga attcggcacg agccagcacc ggaccacctg ctccaagacc agcctcctgg 60
ggggaccacg cacccggcct tcactggcac ccagggagcc gtcctcagca gcgtcaacat 120
gtcaaggccc agcagcagag ccatttactt gcaccggaag gagtactccc agaacctcac 180
ctcagagccc accctcctgc agcacagggt ggagcacttg atgacatgca agcaggggag 240
tcagagagtc caggggcccg aggatgcctt gcagaagctg ttcgagatgg atgcacaggg 300
ccgggtgtgg agccaagact tgatcctgca ggtcagggac ggctggctgc agctgctgga 360
cattgagacc aaggaggagc tggactcttt accgctagac agcatncagg ccatgaatgt 420
ggggctcaac acatgttn 438

<210> 246
<211> 431
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(431)
<223> n = A,T,C or G

<400> 246
aacgttaata gagcctctgg aggattccat cgattccaat tcggcccgag agagaaacaa 60
gggagacaag gttgcccata caggtgcggg gctcagccag gaggcagaaa acgnggacgt 120
gtcccgggcc aggagggtca cagatgcacc acaaggcact ctgtgtggca ctgggaacag 180
gaattctggg agtcagtctg caagggcggt gggcgttgct cacctgggag aagcctttag 240
agtgggcgtt gagcaggcca ttagctcgtg ccctgaggag gtgcatgggc ggcatgggct 300
ctccatggaa attatgtggg cgcaaatgga tgtggctctg cgctcacctg ggcgaggact 360
tctggccggt gccggggcac tctgcatgac cctggcagaa tcgagctgcc ctgactatga 420
aaggggaaga a 431

<210> 247
<211> 428
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(428)
<223> n = A,T,C or G

<400> 247
ttcggcacga gattagacgg gagatagata ccaatgattt agatggcaca ggaagagcaa 60
gttctggata taataaatga gggtactttc cgtcaaagct tttctatgtc tatatttatc 120
actgaatagt cccagtatgg ttttaaagca agttttatga atctcatttg cctaacagga 180
atctgaaata taacttgcca aaaacacaca gttggtgtgg aatggtcatt agaacctggg 240
gctcctcttc acggactccc tgctcattaa gggattcagt ggtccagagt ctaagatcct 300
attaagtgtt tgattcanac ctctacccga ggaagggcta gtaccttact cctagtcctg 360
tttcaagctc attcctgaaa ttccaggctg gttctctagc acctatgtgt gttacaagaa 420
ggcacgtg 428

<210> 248

<211> 427
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(427)
<223> n = A,T,C or G

<400> 248
ggcacgaggc tgtgcggcag ggcgcacggg acctgtgctg cagcggctct ctcacgccgt 60
gggtcgtcgc tgcagctgcc gggaaagaag gaaacgacga ctccgggggc gaacttggca 120
cacagggagg aagggaaagg gtgtgtgagg agggctgtgg gtatatttgg catcagggag 180
aaggacctca aaacttgttt ttcatatagt actagctgat cgtcgggttt ttttttgttt 240
tggcttggnt ttttttttt ggaaggacaa attttggaaa ccccgggaat ccccgttttg 300
gagtttctcc ccgttttttg tcattaatcc aaaggcctga agggacgggc cagggggct 360
gggattttga ttttaggagt gaaaaccccc tgggaaaacc ccccaaaggg aaaaaaggga 420
cggtggg 427

<210> 249
<211> 428
<212> DNA
<213> Homo sapien

<400> 249
ggcacgagga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 60
gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 120
gagagagaga gagagggtgt gtgtgcactc tctctctcgc tctctctctc tctctctctc 180
tctctctcac actcacatat cacgcgcgct ctctctctct ctctcctata taggggggagc 240
gccgcgctct ctcccccccc ccctcaaaaa cttttttttt ttctctctat atatatagag 300
agatttttt tttactctct ctcttgtcgc gagagatctt tttttttat atatatatac 360
tcgggggtgt gtgtgtgtgt gtgtgtatat gtgttttttt ttttaccccc ccttttctc 420
tctctttt 428

<210> 250
<211> 428
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(428)
<223> n = A,T,C or G

<400> 250
gaaattttgc ctttcttgga ggtttttgtt ctgatgtaat ggtgaaaggt aattctatca 60
tctctgcatg acacagctat ttttgttgct tcagcaagat ttatcaaagc aagtggtttt 120
tgaccattct ttgtctccaa gggagagaca attgtggcag catcccatcc tctgagctgg 180
tttttgtttt tgtttttttgg agaataagtg gttttgatta caggtgtgaa cttgtggtat 240
tcacagatgt tggtggcctg tcaggactat tttaggagac ctcatttatc ctttgaccaa 300
gaaatatcct gactggggcc tgacttgaat atatnagctc cttgtggggt gatgccaagg 360

ctccctttc agtataactg ctcaaggaaa caaagagttc ccagagtctg tggtccagac 420
ctacactt 428

<210> 251
<211> 429
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(429)
<223> n = A,T,C or G

<400> 251
ggcacgagcc attttcttcc atcagctaaa ctttacagat aatagtgttt ccacctcata 60
tccttttctt tgccccttct caaatgagtc agaatagtca tgttcccctt gagggatgtc 120
tgacttgaat gtagaattgt tctttcctct cttgaatcag ctcactagct ccctgatggt 180
ctgggttcaa ggaaatggtt aatgaggtag aggccactta tacaagtcct tgggattgta 240
ccattgctgt ccacaaactt agtatcaaca acacatgctg tgccctgtga acactctcct 300
ctcacctatt tccagggttg ggcttcctga gaaggggatg gatgaggtaa cacacagttt 360
gggatacgta tctgttgaat gaatgaataa gtgaaaggat natagtcctc tgaggtacac 420
atggcttgg 429

<210> 252
<211> 427
<212> DNA
<213> Homo sapien

<400> 252
ggcacgagag agagagagag agagagatag agagagagag agagagagag agagagagag 60
agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag 120
agagagagag agagcgctct ctttctgtgt gtgagagaaa ctcccccccc cctctctctc 180
ttttttttg tccccctggg agcgcccccc ccacacatat ttgtgctcac gcgccccccg 240
agctctctct ctctctctcc ggtgggagaa aaatttttt atctactcgc ccccgcccgt 300
ctctcttata gatattttta tatctcagat agcgcgcgct ctttttacac tctctctctt 360
cttttagagg ggggggagag cgcgcgcgct ctctttctcc ccccctctct ggtgtgcgcg 420
cgacacg 427

<210> 253
<211> 428
<212> DNA
<213> Homo sapien

<400> 253
tgcacgaggg gcattagttc aggcattaat atgaacaact gacccaaagc tctgcattac 60
tagggtggaa gaactgactt ttcatcttct agaatttcct gaaggaaaag gagtggctgt 120
caaggaaaga attattccat atttattacg actgagacaa attaaggatg aaactcttca 180
ggctgcagtt agagaaattt tggccctaat tggctatgtg gatccagtga aagggagagg 240
aatccgaatt ctctcaattg atggtggagg aacaaggggc gtggttgctc tccagaccct 300
acgaaaatta gttgaactta ctcagaagcc agttcatcag ctctttgatt acatttgtgg 360
tgtaagcaca ggtgccatat tagctttcat gttggggttg gttcatatgc ccttggatga 420

atgtgagg 428

<210> 254
<211> 422
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(422)
<223> n = A,T,C or G

<400> 254
ggcacgagca gaactggcgg tttttcccag ctccttgccc agaccaatac ttccatgctg 60
tcttcaagcc ctgcttcctg cacatctccc agcccagatg gggagaaccc atgtaagaag 120
gtccactggg cttctgggag gagaaggaca tcatccacag actcagagtc caagtcccac 180
ccggactcct ccaagatacc caggtcccgg agacccagcc gcctgacagt gaagtatgac 240
cggggccagc tccagcgctg gctggagatg gagcaatggg tggatgctca agttcaggag 300
ctcttccagg atcaagcaac cccttctgag cctgagattg acctggaagc tctcatggat 360
ctatccacag aggagcagaa gactcagctg gaggccattc ttgggaactg cccccgcccc 420
an 422

<210> 255
<211> 419
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(419)
<223> n = A,T,C or G

<400> 255
ctgagacaca tatagtagca acttactaga cctgcttgca ggatcccatc gatgacgaat 60
tccgttgctg tcggtgatgg taactacatc actaggtagg ctggggctgg aggatttctt 120
gaccccagta gttctaagct gcagcaagct atgatcatgc cactgccctc cagcctgggt 180
aacagagcaa gaccctagct nataaaaaaa aaagaaaaag aaaaaaaaaa aantttggg 240
ggggcctttt ttttctgtaa ccacaattga aaaaattgct tggggtgtgt ggcaaccccc 300
ccaaaaaaag ggggggaaaa aaaggttttt tttggaaaat tgggggggcgt ttggtttttt 360
tggaaaccat ttaagcgggg gaaaaacagg ttaacaacac cggtgtcttt ttttttttt 419

<210> 256
<211> 422
<212> DNA
<213> Homo sapien

<400> 256
ggcacgagga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 60
gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga ttttttttt 120
ttctctctct ataaaaaccc gcccacgtgc gtgtgtgtgg ggggagacac acaaaaaaca 180
cactacactc tctttctctc tgggcgcgcg agagagagaa aacacggggg ggggctgtga 240

gaacacactc ttctcccccc tgtgcttttt ttttttttct tagtaggccc acacaagata 300
tatacacact ctctctcttt ccccccctctc gtgtgagaaa aagcgcacag acacctctgt 360
gctctctata gaaaaccacg ctctctcacc ccccccccccc ccccccctctg gtgtctgtgc 420
tt 422

<210> 257
<211> 418
<212> DNA
<213> Homo sapien

<400> 257
cgttgctgtc ggtgaagtgt atgagattat gacaaggata cactcatgtt ccaggagcag 60
gaagtgaacc tgggtctcct gtaagacaga agatgaagat gagcccaggc taacttagca 120
cagatcttgg ctgagatcat caatgtgacg tctaatgtac ctgcactaga cagagaataa 180
agttcaccag acattactct ggtcagctaa ccagataaag aatttgtgaa ggccccaact 240
gtgccttctg ccacaggaca accagcaaga tctatgctga gccttagccc tccagggtat 300
aagctccctg caggtcctcc tctccagagg caggatggag agcacttggc tggtccaaac 360
aggcttggag gtcccaccta caggtgctcc tctggaatct tggctaaaac tcattaaa 418

<210> 258
<211> 420
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(420)
<223> n = A,T,C or G

<400> 258
gattcgaatt cggcacgagc gggaggtaag gcatggccag gccggctggg ctgcagagcg 60
ccggcacggg tccacgcctc gggtgacggg cttccaggat gttcgggcgc ggggcggccc 120
atccgcatcc cccaacaccc ccacctccgg cctgagcctc ccagcgccgt gggaaccacc 180
tcctgtccgc tgttgctggc ccgcatccta gcagcggcct gacgccctcc ccaccctggc 240
atgccccctt gacctgggac gatgagcata cgactgggga gcccagtgga ggcgccctcc 300
cgaagcgcca ctgcccatgc tgaccaccca gccctccggc tgctgatgtc atgagtaaca 360
ccactgtgcc caatgccccc caggccaaca gcgactccat ggtgggctat gtgttggggn 420

<210> 259
<211> 421
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(421)
<223> n = A,T,C or G

<400> 259
cgattcgaat tcggcacgag gggacacagg cagggacgcg ggagctgatg cggctggacc 60
ggccggggaa acagtatttt ctggaagggg gcccctctga agcggtccag gatcctgcac 120

atggcgctga ccggggcctc agacccctct gcagaggcag aggccaacgg ggagaagccc 180
tttctgctgc gggcattgca gatcgcgctg gtggtctccc tctactgggt cacctccatc 240
tccatggtgt tccttaataa gtacctgctg gacagccccc ccctgcggct ggacaccccc 300
atcttcgtca ccttctacca gtgcctgggg accacgctgc tgtgaaaggc ctcagcgctc 360
tggccgctgc tgcctggtgc ngggacttcc cagctgccgc tgacctaggt gcccgcacgc 420
c 421

<210> 260
<211> 421
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(421)
<223> n = A,T,C or G

<400> 260
attcgaattc ggcacgaggt ccgctgggag accagcctgc agctgatcat ggatgtcctc 60
ctcagcaatg ggagccctgg ggctggcctg gcaacacccc cctaccccca cctccccgtc 120
ctagccagca acatggatct cctgtggatg gctgaagcca agatgcccag gtttggacat 180
ggcacctttc tgctgtgcct ggaaaccatt taccagaaag tgacgggcaa ggagctgaga 240
tacgagggcc tgatgggcaa acccagcatc ctcacttacc agtatgccga ggacctgatc 300
aggcgacagg cggagaggcg gggctgggcc gcccccatcc ggaagctcta tgctgtgggt 360
gataacccta tgtctgacgt atacggcgcc aacctgttcc accagtacct gcagaaggca 420
n 421

<210> 261
<211> 411
<212> DNA
<213> Homo sapien

<400> 261
cgttgctgtc gggcaagtcc tgaacctaag ccgagacact agtccatcat ctccagcaat 60
gaatgtcatc cccccagact tcagcatcct gagttaatta aaaggtgcag atgaagttaa 120
tcaagtttgg aactctaatt ttgtgcagtg ttttgatacg atttgatgag tcatcttttg 180
gtagagcacc tctctatccc tgacagtgtt tgatcttaac ggaacagttt tataatgtgt 240
aaactggtgg gaggtgctct tcagaaatgc agtcaacagt ggtatgtgtg cgtgtttggc 300
tcttggggcg gggcggaaag cagaacaaag gagaatttaa taagcgagaa cttgtcaggg 360
gctagggtca gttctgaggc tgctgcctgt caagaacatg gctttcttcc t 411

<210> 262
<211> 414
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(414)
<223> n = A,T,C or G

<400> 262
ggcacgagtg agataggacc atgtgctttg agagtgttta gtatcttaaa actcctgtac 60
aaatgcatag caccaggcag acagtaggag ctcagtttac agcatgaatg gtgggtgctc 120
ttatactcag aattccatct gctcctccca gtgccagact ccttcctcga acccagagcc 180
ttctcccata gtatctcttt agcctcttgg gaactctgga ctgctcccca ctgaatgtgc 240
caacgccccc actcaccact gcctggcttt cactcccagt gtcatggact tggttccaaa 300
gggctttgag aacctcacaa aaaaacccac tccaaatctt tgagggtcta aagggaagaa 360
ttctgcccct tcccagagac ccatctactg tanggacagg ganaagaaga ctgn 414

<210> 263
<211> 413
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(413)
<223> n = A,T,C or G

<400> 263
attcggcacg agcgtcccca tgcccacctg cgagtccctc acctggaaga ggtgatgagc 60
ccggtcacca cgcccacaga tgaggatgtg ggccacagga tcaaacatgt ggcaggttcc 120
acacagacgc ggcatatccc ggaggacacc cccaacggtt tccacctgca gagcgtgtcc 180
aagctgctgc tggntatcag ctgtgttctg gtgctggctg gcatccttaa catgatgctc 240
ttctacaaac tctggatgtt ggaatacacc acgcagaccc tcactgcctg gcagggtcta 300
aggctccaag agagttaccc cagtctcaga cagaatggcc cagctctaga gtcccacana 360
agaccacgat actgagctca aaatggaggg aatcatcaaa tctcagtgtg ctn 413

<210> 264
<211> 411
<212> DNA
<213> Homo sapien

<400> 264
cccatcgatt cgaattcggc acgaggggg acatcacgct gctattccgg gccagcgtga 60
agaccgtgaa gacgcggaac aaggcgctgt gagtggcgga gggcggcggg gtcgatggca 120
atcgggacga gctgttccgc cggagccccc ggcccaaggg cgacttctcc agccgggccc 180
gcgaagtgat ttctcacatt ggcaaactga gagattttct tctggaacac aggaaagatt 240
atattaatgc ttatagccat accatgtctg aatatggggg gatgacagac acagaacgag 300
accagataga ccaggatgcc cagatattca tgaggacctg ttcagaagca attcagcaac 360
tacgaacaga agctcacaag gagatacatt cccagcaagt gaaggagcac a 411

<210> 265
<211> 414
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(414)
<223> n = A,T,C or G

<400> 265
tacggctgcg agaagacgac agaagggata cttttaaata atctgtctca cttactgaaa 60
gaaacacaaa acgcacaaaa tatgaaagct aacacctgcc ctccatatat catcttccta 120
tgtctcccac cacaaccaca aaactacttc cagagaacta aatttttatt gacaatggaa 180
atcaaggtaa accctggaat ttttcctatt ccattctaac tttaatggtt tagatgacta 240
cagacatgtt ctcacagacc ccacatatct ttggatcctc ctactaaagg tagggttagt 300
aaatgtccca tccttgggac ataatttact cagttgatta aaatactggg cttcgccaga 360
gttggnttgg cagatctagc taaactgata ggtttccttt tctttctttc ccat 414

<210> 266
<211> 411
<212> DNA
<213> Homo sapien

<400> 266
ggcacgagat ggagagaaca ccttcaaacg cattggaccc ccgctggaga agcctgtgga 60
gaaggtgcag agggtggagg ccctcccgag gcccgttccg cagaacctgc cacagccaca 120
gatgccaccc tatgccttcg cgcacccacc cttccccctg cctcccgtgc ggcctgtgtt 180
caacaacttc ccactcaaca tggggcctat cccagccccg tacgtgcccc ctctgcccaa 240
cgtgcgggtc aactatgact tcggtcccat ccacatgccc ctggagcaca acctgcccat 300
gcactttggc ccccagccgc ggcatcgctt ctgatggccc cgaatcccca ttgagcagca 360
caaagcccgt ttggggtagg agtgtggatg gagaaccctc ccccaaggct g 411

<210> 267
<211> 405
<212> DNA
<213> Homo sapien

<400> 267
ccatcgattc gaattcggca cgagccctcc agccactgct ttatactctc cttctctggt 60
tgaaattttt gaagtaaata ggtcactctg cccatcgttc atcttccagt cactctgtgt 120
gtttatcttc cagggaagtg aggctctatg ctaccaagcc actgaaataa ttttttttt 180
tttcaaaact ccatctcaaa aaaaggagta tgtatttaca aaaattaccc agggggggg 240
gcacacacct gtagtcccac ctacttggaa acctgaggcg gaaggatggc ctgaccctgg 300
gaggtcaagg ctgcagtgac ccaaaatggc acccactgca ctccaaactg ggtgacagag 360
caagaccctg tctcaaaaaa aaaaaaagtt tgtttaattt ttcaa 405

<210> 268
<211> 410
<212> DNA
<213> Homo sapien

<400> 268
ctcaattccg ttgctgtcgc tgaaaggttc tggggaaaaa aatttttctt aaagcgacaa 60
gactcttaga tctaaaagga aactgacttg ccaccttgcc acaggaattc ttgaaatgtt 120
tctgcagcca cttggccttg aaaataaagg gtgcaactct caagtcttgt tctaacccgg 180
ctggaggaac cacaagaccc aatgaaatag cattttctct ccttttccca gcactagtat 240
ataacctatg aggaaccctt gtctctgaat ctgctcagct tgaaattttg tctctgaagg 300
aagagaatga actcagccct agtctgacag tcctagattt ctgtgaaata agagtattct 360
ctaacttagt gctcacactc acataccatg agggttctct gcaggggttt 410

<210> 269
<211> 405
<212> DNA
<213> Homo sapien

<400> 269
ggcacgagga aaaagctgcc tttgtcaaac tgtacttagt ctctcaagga cgattcccct 60
tggtgaacct gaccgatatg ctgagcgttg ctgtgcagca ccgtgagaaa gaggtgttgg 120
cctggatgat tctgcacagc ttataccagg cacggattgt gagccatgcc aatacgggcg 180
ttttgaagag aatggagtgg ctcttggaac tgatgggtta tattagaaat gttgcttacc 240
agtcaacatc ctttcacaat acggctcttg acgaggcttt ggacttcttc ttgctgatat 300
ttgcaaccgc agtggttgca tgggctgacc acactgcccc tctcctcctc ggcctcagtg 360
ccagttggtt gccatggcat caggagaatg gcccggctgg gccag 405

<210> 270
<211> 406
<212> DNA
<213> Homo sapien

<400> 270
cgttgctgtc gctgaaactg gacctgcata gctacgtgag gcctgcacag ctaagtgtgg 60
agctggacta cggcggcagt atggaattcc agtgccaggc cagtgacctc attcccgagc 120
agccctgctc tggggtgctg agtgagctgg tgaccaccca ccacctgaag ctgaccaaca 180
ctacagagat cccacactac ttccggctta tggtctccag gcccttctcc gtttctcaag 240
atggggcgag ccaggaccac agagctcctg gccctggcca gaagcaggag tgtgaggagg 300
agacagcctc agcggacaag cagctggtgc tccaagcaca ggagaacatg ctggtgaacg 360
tgtccttctc actctccctg gagctgctct cctatcagaa gctccc 406

<210> 271
<211> 405
<212> DNA
<213> Homo sapien

<400> 271
ggcacgagga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 60
gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaca 120
gagagagaga gagagagaga gagagagaga gagagagaga gagagcgctc tctcttttcc 180
cctggtgtgt gtgtgttttt tgtgaggcgg gcgccccgct cccattcggg cactcactcc 240
ccgaggtgtg tattgattgc tcacactcac ggggtctctc acactcgcgc acagatttat 300
ttattctgcg cacggggcgc gcttgccata gtgggagtcc ttgattttta tttcttctct 360
tttgccattt cccctcaggg gggggggggag ggactgcccc ccccc 405

<210> 272
<211> 408
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(408)

<223> n = A,T,C or G

<400> 272
gaattcggca cgagagggac cctgccttgt acccacatca ctgggctctg tgctgaccac 60
cagacaggag gaggtcctag tggtgagcag gggcaggaca tgcatcttct gggggctgca 120
gggaggcagg ggtagagctt gatgccatgg tggagtgtag gagaggctca gagacaagga 180
gactcatgag accaggctcc tggcgtggcc atgggcatca gcaactgccc cggtgacaca 240
gtcctcttcc tcagctccac tctgactctg aagcactgac tacaagcacc tcttgggggt 300
cacggctgtt tcgcacacac aaatccacca aaggagagat tgcagggcca gcatcctgag 360
ccccacctgc aggccctggg cgctntcctc ctggcagctg tgccccca 408

<210> 273
<211> 405
<212> DNA
<213> Homo sapien

<400> 273
ggcacgagat tttattgcat caaaaattga gcattgggaa caaagttggg gtcaagagga 60
aagaatgcgt gctggttttg ttaggcgtta gtataccggt tttttgtggc ctctccctcc 120
cacactggta attagagaaa gataacagta acttcggttt agtttttgtg aaacataaaa 180
gtcaattcta atagggcagt cgccagaagt agacctgtct aggcactaag ggagtttggg 240
gaaagccaaa gaagacctag gccatagagc acagtggaac gcaggtgaga acgcagggaa 300
agagaagtaa agagtaaagc cagaggccat tacctgaaat ttccagattg ttctatgaga 360
caggtatgtc agaggaccgt gtctcaaaga agtggcattc ttctg 405

<210> 274
<211> 407
<212> DNA
<213> Homo sapien

<400> 274
ggcacgagga gacgtgctgg tcagcatgta cagttcagag gaagggacgc tggcgcccca 60
ggaacagctc tttggagggg gtggggagca gggccggaac cttgctggcg cttgagccga 120
ttcagatctg attgagtcat gttggcaaga gctgggtcta ggaccctcgg gtggggactg 180
gagtgttgag caggtcgggg cctcagcctc ccttccggtc cccagggagg ctgttccatc 240
cgctcctgtt cacggctggg cgctgctgag ccttttctgt caacatctgg ctgggcttct 300
gaacctggct ttcctttgag aatgaaccta agagagctga ctctaaggaa gaccagagcc 360
ggccgctcca gggcagaagc tgagacttca agcgagctgt taactca 407

<210> 275
<211> 407
<212> DNA
<213> Homo sapien

<400> 275
ggcacgaggg ttggctcttt agggcttcac cccgaagctc caccttcgct cccgtctttc 60
tggaaacacc gctttgatct cggcggtgcg ggacagacgc tagtgtgagc ccccatggca 120
gatacgaccc cgaacggccc ccaaggggcg ggcgctgtgc aattcatgat gaccaataaa 180
ctggacacgg caatgtggct ttctcgcttg ttcacagttt actgctctgc tctgtttgtt 240
ctgcctcttc ttgggttgca tgaagcagca agcttttacc aacgtgcttt gctggcaaat 300
gctcttacca gtgctctgag gctgcatcaa agattaccac acttccagtt aagcagagca 360

ttcctggccc aggctttgtt agaggacagc tgccactacc tgttgat 407

<210> 276
<211> 407
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(407)
<223> n = A,T,C or G

<400> 276
gagggcttat tactgtcgtt tatacgctat gcagactgga atgaagatcg atagtaaaac 60
tcctgaatgt cgcaaatttt tatcaaagtt aatggatcag ttagaagctc taaagaagca 120
gttgggtgat aatgaagcta ttactcaaga aatagtgggc tgtgcccatt tggagaatta 180
tgctttgaaa atgtttttgt atgcagacaa tgaagatcgt gctggacgat ttcacaaaaa 240
catgatcaag tccttctata ctgcaagtct tttgatagat gtcataacag tatttggaga 300
actcactgat gaaaatgtga aacacaggaa gtatgccaga tggaaggcaa catacatcca 360
taattgttta aagaatgggg agactcctca ngcaggccct tggtggt 407

<210> 277
<211> 403
<212> DNA
<213> Homo sapien

<400> 277
cgttgctgtc gcttcattac accatctatt tcataggata gttgtgagaa gtagataata 60
tgttgtaaag tgcctggtat gcgataatca ctcaataaat gttggttctc actaccatta 120
acagaaattc tcagaaaagg tagttatttt aaggacaaga caataggttg ttttcaggct 180
tcaaggtgat gaaatacctc caagtaggta ttttcatcag gcaattggag agtgactcat 240
tcattcaaga agtttttaac tgtactttgt gtcaagtatg tgacaccaga gctcacggga 300
gattcagaaa tcattgtcaa taattaaagt tgtgaaaaac gggaagagca gaaggccaaa 360
gaaaatgact tataaatgaa aacaggagaa tcaacaatgg aag 403

<210> 278
<211> 398
<212> DNA
<213> Homo sapien

<400> 278
attcgaattc ggcacgaggc taggacctta agaaggagct catgtgagtc aggaccctga 60
atgttaggcc tcgttagctc tatggttcat atgcttcttg aaccaagtca cagggcactt 120
cccagccaca ttgccaggca acaggactaa actacctcca aagcaagcag tcttttcagt 180
tttgactgag tgatgtgaga aacttctttt cttttctttt ctttttttttt tttggaaaca 240
gccccttat gccccccagg tgggggggaa gaacccaaat ttgggttaat ggaaccccc 300
ccctccgggt ttaaggaaat aatcctgcct aacttattgg gaaggttggg gcagaaaaat 360
ggtttaaccc cggaaggggg gggttgcaga accccaag 398

<210> 279
<211> 400

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(400)
<223> n = A,T,C or G

<400> 279
ttttctggtc cacaccggcc cgnataatcc taactactat acacagcttc ttttcagctt 60
aatgaaaaga tcattgttct gcactacaca taaattacct attttataga aaagtctgtg 120
attacaatag ctattttccc agcctccttc atcacctcct tgatcccctt atcctccct 180
cggccctgca cctcctctct ttcctgactc ccacaccaga gctaggcctg ccctgggcac 240
ttttgcctcc aggaatgaat gaggctcaca gcccgaaggt gctccaagtc ttggctacct 300
tccctcagtg gctgccctgg caaaggtcct gccgcaggga atcacacaaa gtccagcaaa 360
gcaactggtc tttcctgtcc attctcaccc ttcccaagac 400

<210> 280
<211> 399
<212> DNA
<213> Homo sapien

<400> 280
ggcacgagat gcactcagcg gccctgactg ggagagtgac tggattgata caaccatcag 60
ttctattcag attatggaaa tccagcaaat aatagatcat cagtattgca ttcaaagcct 120
ccagtgcgga tctggaaatt ataattacaa tattcctgtt aataaacaca cacccaccaa 180
tgtcaagttc tctctggaaa taaacacaac agagccattg atagtcttcc agtgcaaatt 240
caccccttgga aatatatgtt tccatagtaa aaggggaacc aaagggctgg aaagccacag 300
agaaatctcc caggagatga cacagggata tcagcacatt tggagcctcc ctgtagcccc 360
attttctgac agcatgttcc atttccgtgt agctgcacc 399

<210> 281
<211> 402
<212> DNA
<213> Homo sapien

<400> 281
atcgattcga attcggcacg aggcaaggcc cagtggatga gaatcccaag atggccatat 60
ttctgcagca tgccgcagga ctcttacatg caatgtgtac actgtgcttt gctgtcactg 120
gaaggtcata cagcatattt gacaataatc gccaggatcc cacagggctg acagctgctc 180
ttcaggcaac cgacctggct ggagttcttc atatgctcta ctgtgtcctc ttccatggca 240
ccatcttgga ccccagcact gccagtccca aggagaatta cactcaaaat accatccaag 300
tggccattca gagattacgt ttcttcaaca gctttgcagc tcttcatctg cctgcttttc 360
agtctattgt aggggcagag ggcttgtccc ttgcattccg gc 402

<210> 282
<211> 398
<212> DNA
<213> Homo sapien

<400> 282

caaaggagat attctttcac tgtggggccc aaattgttgg aatgcgcctg aaaaataagg 60
gctctcactg cttgagcaaa cccttgggtg catttggcct cagggcctgg aagacgacag 120
ttcaagaaac cacaggactc cagcaatgag ctgctcccct tgctgtgtgt gtgtgtgtgt 180
gtgtgtgtgt gtgtgtgtgt gtgtgtgtag ggagagggat ggcaagtaag aaaagaatcc 240
caagaaaaat aatgcgcatg tgcaaacgcc ctgtcgcaag aagagccttg tctcctggag 300
gaaacataaa aaagctgagg tgtcgggtgc gcacaggggc ttatgcctgt aatcccaaca 360
ttttgggggg ctgacaccga taaatcaaga gttcgtcg 398

<210> 283
<211> 404
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(404)
<223> n = A,T,C or G

<400> 283
ggcacgaggc ccagcgaaaa gcaacaaccc caagactgtg aaagactaac atccattctg 60
aaataggaga taacaaggct gccatggatc tgaacaccac cttccttgag aacagccagg 120
agcccacttg gattcaagag tgactttgaa cttgttttca cacctccaac agactctcat 180
taagattcag ttatttccgc tccccagccc cacactcctt tcagattatc gttcatgggc 240
gtaagtctct tctcagagtt aacaagtctt tggtagtcat cctctgtcca aatattgtat 300
attattaaaa ggcattttta ataattacca gaattagctc aaacctttag ggatctttca 360
gccatgatta ttaaggatat gtatgtgaat ttttgggaaa cctn 404

<210> 284
<211> 404
<212> DNA
<213> Homo sapien

<400> 284
cgttgctgtc ggaataatgg aacaataatg agaggaaagc ttaatcattg gaaatgtaca 60
ttattcctgc tttgtggatt atttgcatca gagttttaaa ttatgggttg atgatttttt 120
ttttttggc tatcttaacc ctcccatttt ttccttcttt tcccttcctc cgagtggagg 180
aacccttaag gatccaaccg gtttttaatt gaagcccccc ttcccaccga aattggccca 240
gggggctatt ctggtttttc cgatttttgg ggggattggc tattttgaaa ggctttggct 300
acctttggga ccctatccca aaatccatac cctttagttc taaggtggac catttaaagg 360
ggccacaaat tattcattcc aggatagggg accctataca atag 404

<210> 285
<211> 402
<212> DNA
<213> Homo sapien

<400> 285
cgaattcggc acgagcctga gaaaagcaag aaggaactga aaagggaagc ccggaatttg 60
ctcaaatctc atcttaacct tgatgacagg cgttgggcga tgcagaattt ttctcctcag 120
tgttccattg tgttgctaga acatctgaaa actgccactg taaacttcat aaccagctat 180
ccgggttcat cctacatttt tgtgcaagag agtccaactc cccagattaa acctgaatat 240

ttagccttga ggtctgttgg catcacaaga gagaaaaaaa ggaaaggcct tcacttaact 300
gagagtaccc tttcagccct ggaagagtta gtcaatgttt cctgtgaaga agtaaatggc 360
tgccctgtca ttctagtttg tggatcccag gatgttggaa ag 402

<210> 286
<211> 400
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(400)
<223> n = A,T,C or G

<400> 286
ggcacgaggt ttgcagctgc ggcggggtcg ggtccacccg cggtccccgg aatgccggac 60
ggctgatccc gggtgctggt cactcgccga ttcggggctg ggaaggtttg ccagaagcgg 120
gaaagatggg agatctgagc gctctcttgg catcgccaca cccaggactt gctcgtgccg 180
caattcccca cggaaacaac cgagttgaaa cgagaagctt gctctctggg tgcagtagct 240
agaaggcttc aggtaactcc aaagccaaca ctgggtgagg caacacacgc cgcctcagga 300
ctcagcattt ctttcaggct gcgttttcgt ggcagaccta cccagattga tggagaaagt 360
ttggctggcg gataagaagt aacgcggaag atgtgtacgn 400

<210> 287
<211> 401
<212> DNA
<213> Homo sapien

<400> 287
ggcacgaggg aaaccccaga gccaggtcag cagggcctcc aggctgcagc tcgctcagct 60
aagagtgctt tgggtgccgt gtcccagaga atccaggagt cctgccaaag tggcaccaag 120
tggctggtgg agacccaggt gaaggccagg aggcggaaga gaggagcaca gaagggcagt 180
ggatccccaa ctcacagcct gagccagaag agcacccggc tgtctggagc cgcccctgcc 240
cactcagccg cagacccctg ggagaaggag catcaccgcc tctctgtccg gatgggctca 300
catgcccacc cattacggcg atcaaggcgg gaggctgcct tccggagccc ctactcctca 360
acagagcccc tctgctctcc cagcgagtct gacagtgacc t 401

<210> 288
<211> 403
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(403)
<223> n = A,T,C or G

<400> 288
ggcacgagga gtggcatgca gggcccctgc catgggtgcg ctcctcaccg gagcaaagca 60
gcatgataag gactgcagcg ggggagctct ggggagcagc ttgtgtagac aagcgcgtgc 120
tcgctgagcc ctgcaaggca gaaatgacag tgcaaggagg aaatgcaggg aaactcccga 180

ggtccagagc cccacctcct aacaccatgg attcaaagtg ctcagggaat ttgcctctcc 240
ttgccccatt cctggccagt ttcacaatct agctcgacag agcatgaggc ccctgcctct 300
tctgtcattg ttcaaaggtg ggaagagagc ctggaaaaga accaggcctg gaaaagaacc 360
agaaggaggc tgggcagaac cagaacaacc tgcacttctg ccn 403

<210> 289
<211> 400
<212> DNA
<213> Homo sapien

<400> 289
ttcgaattcg gcacgagaaa agacgtgatg tgcaccacct cgatctcggt gtttcaggca 60
ctaaagcaac aaaacaaccc atagtatctc attttgtcat cagatccaga agaaatatcc 120
tggttttcca gcatgtttac ccacatgttt tgggcatgga taaagtgaag aggcctactc 180
accattatcc ctgcagcgtg acacctttg attgtcactg accactcaga aggggccacg 240
gcctcctggc tgtgttcctg agcccccgtc gtgcctctcc cagacagcag ctgtctggcc 300
cttgctgggt gagggcacac cactgccagg ggtcaagctc gcacccaggc caggcagaag 360
ctgtgctctg aaactaggac agctggctga gaagtgggtt 400

<210> 290
<211> 399
<212> DNA
<213> Homo sapien

<400> 290
ggcacgaggc aacactgagt gctatgaaca aagataaagt gggcaatgga atggcatgtt 60
gggtgttgac tccgagaagg tgttcagaaa acctctctga aggggcagca tttgggcaga 120
ggtccagact gtgtccaatg gcagaaaaga gaatgcttgt ggtcccagaa gtggagcaag 180
ctttgtgagt ttagagagca gcaagaagcc agtatccctg ggaccgggga gctgatgtgg 240
gatttgtgta cccacaaaca cgttctaggt gctaaccaga aaccctccat gtgagagcag 300
agaccttgga gatcctgagg gtttctgctg agccctggaa tctagtcacg ctattttgat 360
agcagaatgg atgagagaat ttaaggccca gggccagat 399

<210> 291
<211> 402
<212> DNA
<213> Homo sapien

<400> 291
ggcacgaggg gtttggggac cacacaggca cctgccttcc tagatttccc tggctcactt 60
ttctgcaaac actggatctg ccaggcctgg ggattggggg gcaggaaaga ggcccccatc 120
cagccccctc caggccagtg tgcacagtgc accgaggggt catccgcaca gagcgaggtg 180
caagctcgat gtgtaacctg gctgcggcac ccgacatccc cggtctcggg gtgttgattt 240
atttctgaat aacttttttgg gtatagaaac caatttttt taatatatga catgtatatg 300
tacacactca tgtgaaatat gtatactttg gggggatcta tttatgttcc agtgggagtc 360
actctcttct gtcgggaatc ttatctgctg ctttgtgtct tt 402

<210> 292
<211> 402
<212> DNA
<213> Homo sapien

<400> 292
ggcacgaggg cagatgatct gaatgccttg caactaataa gtagccgaac attgaagctg 60
cactttagcc cccatagagg ccttcatcat catgttaatg ttatgtttga ttacttccac 120
ctttctgttg tgtctgttac agttcatgca tcattggttg cactacacca gccactaata 180
agctttcctc gccctgtgaa gacaacttgg ttaaatagaa atgcaccagc acaaaacaaa 240
gattccgtga ttcctactct tgaaagtgtg gtctttggta ttaactacac aaaacagtta 300
tcaccagatg gttgtagctt catcattgca gactccttcc tacatcatgc gtatcgtttt 360
cattatacac tttgtgccac tttgctgcta gccttcaagg ga 402

<210> 293
<211> 400
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(400)
<223> n = A,T,C or G

<400> 293
cgttgctgtc ggcaaatgtc agcgccagcc cagtcaaaag agcttgaaac ctaccaagcc 60
ggaggactgt gctgtgcctc tctcgcccac attttcccca agcactctca ggaacctggc 120
aacagtgtcc ccttgtggcc aagcctggaa catcacatct gtacgttgca atctgtggat 180
cagctacgag aaaagtatag taagaagaaa ctgaatttga agtggattct tacaaaggaa 240
aaagaaaatc actattgtaa ctataccaaa ttactatatt atgtgatgca acaaaattca 300
aatatgaaaa ccatcttgga ggccgggcgc ggtggctcat gcctttaatc ccagcacttt 360
gggaggccga ggcacggtgc ctcacacctg taatcccagn 400

<210> 294
<211> 399
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(399)
<223> n = A,T,C or G

<400> 294
cgttgctgtc ggtgattctt ctgcctcagc ctcctgagta gctggaatta caggagtgtg 60
tcaccatgcc cggctaattt ttgtattttt agtagacacg gggtttcacc atgtcggcca 120
ggctggtctc aaactcctga ccttgtgata cacccacctc ataattttaa actgaatctt 180
tcttgtatct tcagtcccag gcaggtgctg gagcaggaga taggctccta caagcttagc 240
aacttctcat ttctatgtaa actcaagttt ggtcaggtct atattttccc acaaggactg 300
ctctgtggtc tatcagaagc cacctctcct cattgcttag ctggactctg gttttgccca 360
gtaaaggctg tgctacaaag gagctaggtc agcctangc 399

<210> 295
<211> 399
<212> DNA

<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(399)
<223> n = A,T,C or G

<400> 295
ggcacgaggt ttataacagc gaaaaaggtt ctcctttaaa aaaaaaactt atctgtagta 60
ctgaatatat aaacttttcc tgaaacaatt attcaaactc tgcatctttg atatcaatgt 120
ctctagcagt agtagagcca tattttaaaa agagctttac tanatacaga tcataacatt 180
cagctgtttt aaagtgatta acgcattttt ggaaatttac agacttggtc aaccacaacc 240
acagctgatt taaaacaatt tcatcaactt caaaaaccct tgtggcattt ggaaggctca 300
aaccatctcc aaccaatctg gttctattga ctggcttttc ttgccatttc atataatagg 360
gaacatatga cactggggtt cctcattctc gaacttttc 399

<210> 296
<211> 398
<212> DNA
<213> Homo sapien

<400> 296
cgttgctgtc gctgcctctt aggggcttga gattaggtga tggggcagtt gttttcaatt 60
caggagctac tgccaaaaga ggggtaaaat agatactgat caatagtctt gggtcattga 120
ttttcttatc tgaatttagt gtcaaaggag aagcctttca gcatgtggta ttttaaactg 180
agtgccaaat tgtggtcact ttggaaacca catttaaaag atgcatccta accagtattt 240
ccatgttttt taaatacctg atattagatt tgtaccattt gtagaatcta tgttattaag 300
gcagatttaa tcttgaaata aattaatctt catgtgcttc tgagactttt ttttttttt 360
gttaccatta aggagttttc atttcttttg taaaccag 398

<210> 297
<211> 399
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(399)
<223> n = A,T,C or G

<400> 297
ggcacgagga gagaactgct ctcgagacta gttctctcag agagagagaa ctagtctcga 60
gagcagnnnt ttttttttt ttttttttt ttgaaaaagg aattcccttt ttgccccca 120
cccgggggg aggggcaaaa atttgggttc ctaaattctt ccccccccgg gtttaagggg 180
agaaccccc ctccccccc aaaaggggg gaataataac cggggcccag gaccccggcc 240
ctaaactttc cctttttaaa ggggcccatc ccaggggttt taaatattcc aattgggggg 300
ggcaccccac cccgtggtat aatccaagaa ctttttggcc cccccaaaaa aaaccccgg 360
ccttttaacc acccccccc agtttttcct ttcttggcn 399

<210> 298
<211> 398

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(398)
<223> n = A,T,C or G

<400> 298
ggcacgaggt cacaggatct caaggcctgc ctgttggtgg ccctggttcc ttgaagctga 60
gggtcagaac ctctgtctct ggctgctgcc tcagggcagg ggcctgggac agcccattgc 120
aggccaggtg gtcctcccag gagactttgt ggggccgagg agaaggcaaa gctgccttgc 180
atttgcctgg tgcctgctaa gccccaagtc catccctccc ctgaacagga cgctcgcagg 240
gccctgcccg tcagaatgca cgtggagtcc tctgaggttc gggggtgtgg gttgcacttg 300
agggaccatc ttcctggaga tcccgtaggg agttccctac aggcaggacc tgaggcccag 360
ccccaggaca ccaccccacc ttcccggggc ttgggaan 398

<210> 299
<211> 404
<212> DNA
<213> Homo sapien

<400> 299
ggcacgagat taataagaca gtcacactct gtcgcccagg ctcaaaaaaa aaaaaaaaaa 60
aaaataattt tgaaaaattg ggcccccttg ggggaaaaga aatttttagg attaagtttg 120
gaaaaacccc caatttttgc caatttttaaa ccccccaagg gggggggggaa catggaaaaa 180
acctgggaac caggttaaaa acaaggggggg gatcccggta aagggtttct tttaaaaacc 240
ccatttttta aacttgggtt ggccccccccc acttttgaat taacccccca aaaaaaaatt 300
tggggaggat ttttgccggg acctaaaacc cgggggggaa aaccaaaccc cccaaaattt 360
tattgggaaa accctgggcc ccatttggag ggccccaaac cccc 404

<210> 300
<211> 404
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(404)
<223> n = A,T,C or G

<400> 300
ctagggacga gccgcgacca ggaccggacc gtctaggtgc agagcaaggt ccgaggggga 60
ccgccgcccg cggcacgtca gctgccaccg cancagaccc agaggtaccg agcgccaacg 120
tgtgcagagc ccagcggcgg agacatttac ttgcgccgga aggagtactc ccataacctc 180
acctcagagc ccaccctcct gcagcacagg gtggaggggg ccgaggacac gtcttcttcc 240
tcttctgctt ttctctaccc agcacgcctg tggtccacct ctctgagctt tctcccagtc 300
ctaggactcc ccctctccct gcagcacttg atgacatgca agcaggggag tcagagagtc 360
caggggcccg aggatgcctt gcaaaagctg ttcgagatgg atgg 404

<210> 301

<211> 401
<212> DNA
<213> Homo sapien

<400> 301
cgaattcggc acgaggaaac tgcttctgaa ggaactctgg ctctgtgtaa acacaacaca 60
cagactacct ggtgaaggca gcaggtgtgt cccaaaaaaa cctgccaaag caatcaccag 120
ctccagagtg cctggggaag atggtacgct acctccaaca cagggcagcc ctctcaggac 180
ctcaaatgtg cagacatgcc tcacaaaact gtccatggag ataaaggagg acttttatg 240
tcaaaatgtg gaaaaacaga gctccagtgg aacaaattgt agttctgacc atgtttttaa 300
tgagaatgga aatcttgagg ttttagtaca aagtcatcgt gacggtggta gtactgaatt 360
tgttgatcat gatcattttt ttgatgaaga tcttcaagct g 401

<210> 302
<211> 400
<212> DNA
<213> Homo sapien

<400> 302
attcgaattc ggcacgaggc tttccccagg gagggccaca gggggcacta tgtgctagag 60
ggaaagtctt gtctgaggag ggtggagggg gcacagggag ggtgcatatg ggaggcagtg 120
gagatactga gggctgtttt ctgtggtggg tagttcagag gtgtataggg caggtttgag 180
aatgtcaatc acaagagaac acaggaaatg tgagggctgg tggcaggaac gcctgttgca 240
aggggtaatg gtgggtggta gagcagaagc gtggaaataa ttggtctcaa gtctctgaca 300
gagctttggt ttaggtgatt tctgccctaa gaatgttgag atcacaactg tctgtgcatg 360
ggggttgggg gattatatgt actgacgggt gtatacatat 400

<210> 303
<211> 403
<212> DNA
<213> Homo sapien

<400> 303
cgttgctgtc ggggtcctct gcatcctcac tctccccct agcccaggtg cagccccggg 60
aggggtgccc tgaccccgcc ttaaacaacc aactttccca ccgaatccca tctggcgggg 120
gggggtttg ggtgccaagt gccctggaaa cctattgtct tttggctcag ccaaaagaaa 180
cattccctcc ttcctttcct tccgggcttg ggggaacctt cgtaaaaatc atagttaggg 240
ttaagtccaa gcagtgaggc ctgacctggg ctctgctctc cttgttgaga cactaacagg 300
cagttgggag gaaaatctgc atttgactcc accctctttg gggcaaagga gaagcaggtg 360
acccgagggg gggcaggcca gaggagggcg actcgtgcac agg 403

<210> 304
<211> 401
<212> DNA
<213> Homo sapien

<400> 304
cgttgctgtc ggcagaacga ggccagtatg atcaatgggc tgggggcagc agaggcattc
60ccctctggtt gtacagcgac agctgggaga gaaggcagca gccctgaagg cagtaccagg 120
aggacgatcg aggggcagtc tccggagccg gtgttcggag atgctgatgt ggatgtgtct 180
gcagttcagg cgaagttggg agccctggaa ctgaaccaga gggatgctgc agctgaaact 240

gagctcaggg tgcacccacc ctgccagcgg cactgcccag agccgccgag tgcacccgaa 300
gaaaacaaag ccaccagcaa agctccccaa ggcagcaact caaaaacccc catctttagc 360
ccttttccca gcgtcaagcc ccttgcggaa tctgctactg g 401

<210> 305
<211> 400
<212> DNA
<213> Homo sapien

<400> 305
attcgaattc ggcacgagac ctgccctgtg cttcgagggc tccccgcctc ccgaggagct 60
cccggcggtg cacagtcatg gtgctgggcg gggcgagcct tggccgggcc ctgcctctcc 120
ctcgggggat caggtgtcca cctgcagcct ggagatgaac tacagcagca actcctccct 180
ggagcacagg gggcccaata gctctacctc agaagtgggg ctcgaggctt ctcctggggc 240
cgcccctgac ctcaggagga cctggaaggg gggccacgag ttgccgtcgt gtgcctgctg 300
ctgcgagccc cagccctccc cagccgggcc tagcgccgga gcagctggca gcagcacctt 360
gttcctgggg ccccacctct acgagggctc tggcccggcg 400

<210> 306
<211> 398
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(398)
<223> n = A,T,C or G

<400> 306
cgttgctgtc ggcagaacga ggccagcaag accaatgggc tgggggcagc agaggcattc 60
ccctctggtt gtacagcgac agctgggaga gaaggcagca gccctgaagg cagtaccagg 120
aggacgatcg aggggcagtc tccggagccg gtgttcggag atgctgatgt ggatgtgtct 180
gcagttcagg cgaagttggg agccctggaa ctgaaccaga gggatgctgc agctgaaact 240
gagctcaggg tgcacccacc ctgccagcgg cactgcccag agccgccgag tgcacccgaa 300
gaaaacaaag ccaccagcaa agctccccaa ggcagcaact caaaaacccc catctttagc 360
ccttttccca gcgtcaagcc cctgcggaaa tctgctan 398

<210> 307
<211> 399
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(399)
<223> n = A,T,C or G

<400> 307
ggcacgagcg gaagtgtcga tccctcagcc agggcatgga gctctcctgc cccggttcgc 60
ggtgcccggt gcaagagcag cgtgcccgct gggagcggaa acgcgcctgc accgcccggg 120
agctgctaga gaccgagcgg cgctaccaag aacagctggg gctggtggcc acgtactttt 180

tggggatcct gaaagccaag gggaccctgc gaccacctga gcgccaggcc ctgtttggct 240
cctgggagct catctacggc gccagccagg agctgcttcc ctacctggaa ggaggatgct 300
ggggccaagg gctggagggc ttctgccgcc acttggagct ctataaccaa tttgctgcca 360
actcagagag gtcccagacc accctgcagg agcagctan 399

<210> 308
<211> 398
<212> DNA
<213> Homo sapien

<400> 308
ggcacgaggt cgcctttgcc cgcgcccccc gcctccccat cactggtctc tacaacaaga 60
gtccctacta ctgcgggact tgtggccgct ggttccgcgc catggcgggc ttgcgactgc 120
atcagcgggt ccatgcccga gctcggactt tgacgctaca gcctcccaga tcaccatctc 180
ctgccccacc cccacctcca gagcctcaac agactatcat gtgcacagag ctgggggaga 240
ccatcgccat cattgagaca tcccagccac tggcgcttga ggacaccctg cagctgtgcc 300
aggctgcact gggggccagt gaagcaggcg ggctcttgca gttggacacg gccttcgtgt 360
gacgcagctg aaaagcaaca acaaaagggt ttggttgg 398

<210> 309
<211> 401
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(401)
<223> n = A,T,C or G

<400> 309
attcgaattc ggcacgagac aaggtggacg cccaggagga gaactttctg cccaagtacc 60
agcgtgtgaa ggacctgtgt cagcgtgctg agtaccagac ggcgtgtgag cagctgggac 120
agaagtggca gtgtgtggag gacgccacgg ggaagctgaa gctgcataag tgcaagggcc 180
ccatgcggct gggcggcagc agagccctct ccaacctcgt gcccaagtac tacgggcagg 240
gcagcgaggc ctgcacctgt gacagcggng actacaagct cagcctggcc ggacgccgga 300
aaaaactctt caagaagaag tacaaggcca gctatgtccg cagtcgctcc atccgctcag 360
tggccatcga ggtggacggc agggtgacca cgtaggcctg g 401

<210> 310
<211> 400
<212> DNA
<213> Homo sapien

<400> 310
ggcacgagga tcttctgaaa gctttgattt ttctccaggc agtatgcatg caccttccac 60
ctcctccact tcctcctctt caaaggaaga gaaaaagctc agtaattcct tgaaaatgaa 120
agacttttcc aaaaacgtct ctaaatgcgt cacaccagat ggcaggacca tatgtgtagg 180
ggacatcgtt tgtgccaaga tatatggctt ccctcggtgg ccagcccgta ttcttactat 240
aactgtgagc cggaaagaca acggcctttt agtccgacag gaggcccgta tttcatggtt 300
tgggtctcca acaacatctt tccttgctct ttcacaactc tccccctttt tataaaactt 360
ccagtcacgc tctaataaca agagaaaggg cctgtatcgc 400

<210> 311
<211> 400
<212> DNA
<213> Homo sapien

<400> 311
ggcacgagtg tccttccacc accagcaccg gaccacctgc tccaagacca gcctcctggg 60
gggaccacgc acccggcctt cactggcacc cagggagccg tcctcagcag cgtcaacatg 120
tcaaggccca gcagcagagc catttacttg caccggaagg agtactccca gaacctcacc 180
tcagagccca ccctcctgca gcacagggtg gaggggggccg aggacacgtc ttcttcctct 240
tctgcttttc tctacccagc acgcctgtgg tccacctctc tgagctttct cccagtccta 300
ggactccccc tctccctgca gcacttgatg acatgcaagc aggggagtca gagagtccag 360
gggcccgagg atgccttgca gaagctgttc gagatggatg 400

<210> 312
<211> 404
<212> DNA
<213> Homo sapien

<400> 312
gaatacctgg tccacgtggc cccacactgc gccaacttcc tagtgccctc tcagaaccta 60
cacctgaccc tggccctgct gcgactggca ggcgctgggg aggaggccgc tgccattgga 120
gctctgagac gggccctctt ggccccgggg ctaaatgcac cccctcggct gagctttata 180
aagctggtcc tcctgggccc gcatgtgctg tgtgccccac cctctcccac actggaaagc 240
atggcacaag tgctgagcca gaggctggaa gccgaggggc tgagtacact acagtctcca 300
gggcagctgc acccccacct caccgtggcc aaggtgcccc atggttccca ggtccacctc 360
cccaagctgg agttcaccct cagccaggaa gtggagtgcc agcc 404

<210> 313
<211> 404
<212> DNA
<213> Homo sapien

<400> 313
tgtcggggga ggcgtgggag gtattaggaa acggtttgga ttttgtgtgt gggagggtat 60
tttttggggg tagatgactg tcactttcct aagcgctttt attcctttcc tttcttacag 120
gactgcgcag gctttgccta gaaaaacccc aggcggatgg cgggcacaca cctgaggttg 180
tagccccttt atctgccttc ccggtactga ccccttgacc acaattctcc ctgaccccaa 240
gtgccacgcc tcataccttg cacctaaccg attgccaaga tccactacta tgaagacagg 300
ctataaccta acgacctgcc tggtccaccc ccggatactc acctttctca tgccacatga 360
tgcgcgagcc tccaacactg aagccaaaga gctcaccttc cttg 404

<210> 314
<211> 402
<212> DNA
<213> Homo sapien

<400> 314
cattccgcac gagagaagag aaaacaaacg ctgctaagga gttagaaaag ttacagcaca 60
gttctgaaac tgaactaaca gaagccttgc ataaacggga agtacttgag actgatctac 120

taaatgctca tggagaatta aaaagtactt taagacaact ccaggaattg agagatgtac 180
tacagaaggc tcaattatta ttataggaaa aatacactac tataaaggat ctcacagctg 240
aacttagaga atgcaagatg gggactgaag acgaaaagca ggagctcctt gaaatggctc 300
aggcacttaa agagagaaat tggtaactat agcatagagc atctcaggct acacatttgg 360
atatgactat tcttgagcac agaggagaaa tggaacaaaa ag 402

<210> 315
<211> 398
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(398)
<223> n = A,T,C or G

<400> 315
cgaattcggc acgaggccag gggctaaata gttcattgca ggagcactga gggctcagaa 60
acctccagac agaactggct tggtcctgct gggcagagat gatgagcttc ggtgtggcca 120
gaacggtggg ggtcctgggc accctgtgtc accaatccca ggggagaggc tgtgtgtggt 180
gagccttgtt ggcactgcat catgagccac gagcagggcg tggccactgt tgtgcaggtg 240
actccgccag ggagccatgg tggagctggg gagctgggcc tgtcatgcgg tcccccgggg 300
agccgcagtg gagctgggga gctgggcctg tcatgcggtc ccccggngag ccgcagtgga 360
gctggngagc tgggcctgtc atgcggcccc cggcttct 398

<210> 316
<211> 398
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(398)
<223> n = A,T,C or G

<400> 316
ggcacgagct ggatttgtct ctcttcagtt atgatgacaa gtgggtatct gtcatggagc 60
ggcccaagac ttgtggagat cacccaatca ggttctatgc ccgggactcg ggcctgctca 120
agtttgagat ccaggcgggg ttattgggcc gccccatcaa ccacacagtg cgacgccttg 180
ttgccttcac ctttcaccct tttgagcctt tcgctatttc tgtgcagagg actaatgctg 240
agtatgttgt caacttccat atgcgacact gctgcacgta ggtgcctcac cagagccaga 300
ttatctggtc ttccaagact ttggcactca cttatctcag tggactccan aagccaaagc 360
tccgactact nagctctgta ggtccaagcc tgtatacc 398

<210> 317
<211> 400
<212> DNA
<213> Homo sapien

<400> 317
cgttgctgtc gcctccttcc tcatgaagcc catcaacaag tgcattggga ggaacatgac 60

ctacttctca ggcctcctgg tgatcctggc ctttgccgcc tgggtggcgc tggcggaggg 120
actgggtgtg gccgtgtacg cagcggctgt gctgctgggt gctggctgtg ccaccatcct 180
cgtcacctcg ctggccatga cggccgacct catcggtccc cacacgaaca gcggagcgtt 240
cgtgtacggc tccatgagct tcttggataa ggtggccaat gggctggcag tcatggccat 300
ccagagcctg caccttgcc cctcagagct ctgctgcagg gcctgcgtga gcttttacca 360
ctgggcgatg gtggctgtga cgggcggcgt gggcgtggcc 400

<210> 318
<211> 400
<212> DNA
<213> Homo sapien

<400> 318
ggcacgagcc agcaccggac cacctgctcc aagaccagcc tcctgggggg accacgcacc 60
cggccttcac tggcacccag ggagccgtcc tcagcagcgt caacatgtca aggcccagca 120
gcagagccat ttacttgcac cggaaggagt actcccagaa cctcacctca gagcccaccc 180
tcctgcagca cagggtggag cacttgatga catgcaagca ggggagtcag agagtccagg 240
ggcccgagga tgccttgcag aagctgttcg agatggatgc acagggccgg gtgtggagcc 300
aagacttgat cctgcaggtc agggacggct ggctgcagct gctggacatt gagaccaagg 360
aggagctgga ctcttaccgc ctagacagca tccaggccat 400

<210> 319
<211> 398
<212> DNA
<213> Homo sapien

<400> 319
gatagagaaa aaaaggccca gagagagtcc cctcaggcca actttggttt tcacttctca 60
gttctgagag ccgaggaagc aggaaggagc tgtgagagac tgagctctaa ccttggccat 120
caaagacaag ctgtgcagct ctggtttttt gagggcagga catggagggt caggcccagc 180
tggaggcgca ccaaagccca gagaaaattc agaaccacgt gaacttgttg gatttcagcc 240
ccttgaagca catgttgcta ttgcagctgc cttgataact ggggggacag gaggagcacg 300
gctttcccat cttgtacggg gactcgccaa tccagttgcc cctggaagag aaaaggaccc 360
aggagacaga ggagcttagg actcattcaa tctttatg 398

<210> 320
<211> 399
<212> DNA
<213> Homo sapien

<400> 320
ggcacgaggg cttattactg ccgtttatac gcaatgcaga ctggaatgaa gatcgagagt 60
aaaactcctg aatggcgcaa atttttatca aagttaatgg atcagttaga agctctaaag 120
aagcagttgg gtgataatga agctattact caagaaatag tgggctgtgc ccatttggag 180
aattatgctt tgaaaatgtt tttgtatgca gacaatgaag atcgtgctgg acgatttcac 240
aaaaacatga tcaagtcctt ctatactgca agtcttttga tagatgtgat aacagtattc 300
ggagaactca ctgatgaaaa tgtgaaacac aggaagtatg ccagatggaa ggcaacatac 360
atccataatt gtttaaagaa tggggagact cctcaagcg 399

<210> 321
<211> 399

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(399)
<223> n = A,T,C or G

<400> 321
ggcacgagag aaaacctcct ttgggagacc aatgtgggac aatgagtttt ctacaatagc 60
tacctcccac cccaagtctg tagtgggagt tttcttatgt ggccctcgga ctttggcaaa 120
gagcctgcgc aaatgctgtc accgatattc cagtctggat cctagaaagg ttcaattcta 180
cttcaacaaa gaaaattttt gagttatagg aataaggacg ggaatctgca ttttgtctct 240
ttgtatcttc agtaatttac ttggtctcgt caggtttgag cagtcacttt aggataagaa 300
tgtgcctctc aagccttgac tccctggtat tctttttttg attgcattca acttcgttac 360
ttgagcttca gcaacttaag aacttctgaa gttcttaan 399

<210> 322
<211> 391
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(391)
<223> n = A,T,C or G

<400> 322
ccaaagacag ctcagacgtc aagagcaaga cttacagaca ttagcacggc tccatcttgt 60
ctctcattga cagtgaggcc ttctcttacc accctattaa aatggcagct cctccattta 120
tggttctcct tacccaacct ttcccatcct ctttttctcc ataccacttt aaaccatttc 180
acttatgata tattttgctt atattgtgca ttgccttttc ttctccacct gatataagct 240
ccatgaaagc aaggattttt gctggttttg atttctgtag atttcaagca cctagtacaa 300
cagtgcctgg catttattan gaacccgagt atttgaatga actattttat taattgtagt 360
ctatacttgg aaaaggttta attttttaa a 391

<210> 323
<211> 396
<212> DNA
<213> Homo sapien

<400> 323
cgttgctgtc ggtgggagat agttatatta gctatcccac aggattgttc ttatttttaa 60
gtgaaatggt acgtgtaaaa caaatggcat ggtctttgat atataataaa cgtcttacgt 120
gatgttagct attgctgctt aagacaaaaa gaagtgatgt ataaaaggac ttatagtttt 180
attggaggtt cccaagcctt catttataag catttcatga gatttaactt tgtttttga 240
tggcattaag caggcaacaa aacctagtat ttctcagtta cagatactgg caagtctgtg 300
ttgctgcagt aggagcagct ggcctgttgc actgattact aattgatcga gttatttttc 360
ttaattctct tctaatttcc agccgtctca gtcctt 396

<210> 324

<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 324
ggcacgagga gagagagaac tagtctcgag agcagnnntt ttttttttt ttttttttt 60
ttttttttt tgggtttttt ttgttttttt tagttgtttt ttttttttg ggggcccccc 120
ccccaattat aaaaccccc agaaacgagc ccaccggggg gggggacaa ccccccccgg 180
ggggggggag gactgaaaca cggaccgcga ccccccccc ctacaaagat atttttgggg 240
gggggaaaa ccaccacacg caaaaaccgg gggggggaaa ccccccccgg gggttttcc 300
ccccggggg gggggtaaa aacagaaaca ctcaccgcga gggaccccgg gggggggggg 360
ggggccccc aaaaaaagat gcgggggggg aacccg 396

<210> 325
<211> 393
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(393)
<223> n = A,T,C or G

<400> 325
ggcacgagct cggccttcca gagtgctgga attgcaggcg tgagccaccg cacccagcca 60
gttgaactta cttgaacatc cgcaaattat tttttattat ttttattttt tgagacggag 120
tctcgctctg tcacccaggc tggagtgcag tggcgcgatc tctgctcact gcaagccccg 180
cctccctggt tcacaccatc ctacctcggc ccctcaaggt gctgggatta caggcgtgag 240
ccaccgtgcc tggccaaaca tctgcagatt aagtgctggg aataggttaa gactgtactg 300
tgccgtatat tagattaggt gatcttttaa attcctcatg agttttctcc agtccacttg 360
gaagttcagc cggtgggaga agttagtgct gtn 393

<210> 326
<211> 393
<212> DNA
<213> Homo sapien

<400> 326
ggcacgagct tattccctag gtccttttat gtttttgacc aagctgggtt cccccagctg 60
gtattatgga cttacacagt tctgatgtta gatgttaaac agttgccact cattgttttc 120
gttgctttca acaaaatccc tggggatagg gcttttccca ctgagctagc cagagtccag 180
tcaaataaca ggactttcaa atggagcttt tctatgaagc tgccagacaa gacaggactt 240
tgggtacaaa acttttgag gaggtgcaaa cctgaactgt ccccccacct gccagtggct 300
gcacagctct aggctttcat agttgccatg ggtacaagac ttcaggtttt gaaggctact 360
gtggagctgg aagaaaaggg gagcaaggca agt 393

<210> 327
<211> 391
<212> DNA
<213> Homo sapien

<400> 327
ggcacgaggt gagttacaca gctagaaggt gccaggttgg tgctgccaga gattcagagg 60
tgccatacac ttgtcaaatc tggatcattc gtagtgccag cacagtccta aaagggctgg 120
agtaccacac caacacaggt aggggtgcag ggcttcaagt acaaagattt gcatccatgt 180
atgtatcaaa agtgggttct ctgggctgcg gctttgtcta gtagtaccac agtggctaaa 240
gtagaagaaa accaaatcaa atgggatgtg tcttttggga ggatgtacaa gacacaaatc 300
tttcactatg caccgggcac agggaaaact gcagggaaca agagttgtag tgttagtgca 360
actgtctcaa cgatgctgtg tggcttcaga a 391

<210> 328
<211> 393
<212> DNA
<213> Homo sapien

<400> 328
attcgaattc ggcacgagct ggagagcagg tgtccagccc cagcagccac cccgccctcc 60
acaccaccac cgaggacagt gcaggggtgc agactgagtt ctaggccagt gggtccctga 120
ctgctgcaca tggcacaggc cgttcccttc cggacccagg caggctcagc tctggggagg 180
gcaccctggt ctgtgccttg tgggtggagg cggggcaggg ctgtgtggca ccgccaggga 240
gcgggcccac ctgagtcact ttattgggtt cagtcaacac tttcttgctc cctgttttct 300
cttctgtggg atgatctcag atgcaggggc tggttttggg gttttcctgc ttgtgccaag 360
ggctggacac tgctgggggg ctggaaagcc cct 393

<210> 329
<211> 393
<212> DNA
<213> Homo sapien

<400> 329
ggcacgagca gagccactat ctccattgaa gctgaaatgg tagacctgta attgtgggaa 60
aactataaac tctcttgtta cagccccgcc acccccttgct gtgtgtatat atataatact 120
ttgtccttca tatgtgaaag atccagtgtt ggaattcttt ggtgtaaata aacgtttggt 180
tttatttatc aaggttagat ttaagttccc tgtgtaaagg tcttgctggg tgggtgtctc 240
atgttcacat ctgaggggcc tgcagccctg taccgtggag gcttcccaag gcccccattt 300
tatacacccc tcgttcgacc catggtaccg ggcagagcag agaggcctta taaaaaaagc 360
accacaagcc aaagcgtctc tggggattaa ggg 393

<210> 330
<211> 395
<212> DNA
<213> Homo sapien

<400> 330
cgttgctgtc ggcctgtatc cataatttga aggaaatggt aagagtgatt agtgaaatgt 60
aattactgta attttttccc cattcaactt tatatatctt taactgatga ccagatcatt 120
gttgttctga accagtttgt ggtcagcaag tgttttgtgg ggttttgttt gtttgttttt 180

aaagaacagt ttgggtcact tgacatggtt ctccaaaggg atgttatggg ttgtatttgg 240
ctctgggtga taaccgactt gttagataat ttagataagc aaccgagttg ccatgtttgt 300
ttgtcgaacc tcaagtgtag cttatatttt atgttcctag agagcgtgtc agggaagaac 360
tgacccttt ggcaaaccgt ttgctagata ttcag 395

<210> 331
<211> 395
<212> DNA
<213> Homo sapien

<400> 331
cgttgctgtc ggccctgaag ccatagagca accaagtggc cagctgaggg tgccagccca 60
gccctcccgc caggccctcg ccggctcacc acgctgcgct gtgctgcttc gtgagagtga 120
gcgcatctgt gattgctgag gcctggcgct catggggttg cacccagctt ctgagttcag 180
gtagttagac gatttccagc gtcctttcag aggggctctc agaactgctt ttgtttgtag 240
aattgatttt ggaaaagtct taaaatattc atgaagtttt tttttaaaaa agctggtatt 300
aaaccttgaa aaagttaact gaaatttgga agggcgattt ctgaattagc tagggaggaa 360
taatgaaaaa atattataaa ctatatcagc taaat 395

<210> 332
<211> 392
<212> DNA
<213> Homo sapien

<400> 332
ttgtgtgaag gaaacttgga tcaaaaatct tacgtgattg attattactt gccaaaatta 60
ttaagttaca gccctgaaag cttacagtac atggtaaaga ttcttcagac ttctattgat 120
gctaaaactg gacaagagca atctttccca tccttagggt cttgtaatag catgggggct 180
ctgggagctt tgatggcatg tctgcgaata gctagagctc atggacatct tcagtctgca 240
actgatacct gggagaacct cgtgtctgat gcaagaataa agcacggctt aattcatcag 300
cattgccaag taaggataga tacattaggc ttgctttgtg aaagtaatcg gagcacagaa 360
attgtttcca tggaagaaat gcagcggatt ca 392

<210> 333
<211> 392
<212> DNA
<213> Homo sapien

<400> 333
ccatcgattc gaattcggca cgagccagcc cgcccccagc ctgtggacgc ctggcccacc 60
ctgagtgtga gtcacagaga ccctggccgg ggcaccctcc acccccaggc ttcctcaggg 120
ctgtgggctg tggcgggact atggaaggga gcagggagag accctgccac cacccggagt 180
ggctacgcga gtgtggactg caggctcctc ctggggaagc tgggcaggct cgctttctgg 240
tcacggggcc attccagggg gcatcccttg ctccgggtcc cctgcagtga ggggcctgtg 300
aaccccacca gggcagcagc ccctcccagg gacccctcct ttcctgtagg gcggcgccgg 360
cccacctggg agcctcagat ccccctcttc ca 392

<210> 334
<211> 393
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(393)
<223> n = A,T,C or G

<400> 334
cgttgctgtc gtaccattca acaaagtttt attttaaatt aaatatagaa attattggca 60
acaacactgg ataggattta aaacaaaaat aaaaattgtt taccaaagtc aaatgatttg 120
aaaacatttt taaaagctta tgtgcctgtt aagatgaagg ccttgcgcta gttgctcatg 180
aatcaatagc taatatgacg taagagagta aaaggaggca gatagctaaa taagtggtat 240
ggtggtgggc gcctgtagtc ccagctactc aggaggctaa ggcaggagaa tggcgtgaac 300
ccgggaggcg gagcttgcag tgagccgaga tcacgtcact gcactccagc ctgggccaca 360
gtgtgagatc tgtctcanaa aaagaaaaaa aaa 393

<210> 335
<211> 392
<212> DNA
<213> Homo sapien

<400> 335
ggcacgaggg tggtttgtgc agtgacattt ggcagtgttt tctcggcaag cgagtctttg 60
aggctgccct catgctgctc agtgggcaca ccaagaacaa gagctggcca gggatgacgg 120
acgcatctag gccttctcgg cctaagggtt acattagtta tacactctgg aggtgacttg 180
acctgtcatt gtgaacaatt attgctcttg gacgacccag gacataggcc agccagtact 240
taccccagtg tgttggagaa tcgcgctcgg cttcttcctc tgtgctgagt catgaaagtt 300
gccggagcag gtgcagttac acaacctcca ggtatgatcc tgtttaagga ctggatttag 360
gataactact tagaggttaa aagtcacaag gg 392

<210> 336
<211> 394
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(394)
<223> n = A,T,C or G

<400> 336
tgttcctttg gccgaagcgg cctactgttg gcagaagacg acagaaggga ttgtctgctc 60
ccttgttttt aagcaaattc cagaaagcca ttcatttcac tggttaatgt gttggaatgt 120
tttaaggcag attccagaca ctacatttca tctctaagtt tgtcagagtt catctctaaa 180
aaataaggac tgcttattat atcatcaagt gccaatatca cagagtccat atccagattt 240
tctttttgtt ccctgggtgt ctttttttttt ttttttttttt taaacgggat tcccctttg 300
cccccacccc tggtgggagg gggggaaatt tggtttaatg gaagcccccc ctcccggatt 360
aaccccattt ttcaaccccc gccctcccgg gagn 394

<210> 337
<211> 396
<212> DNA

<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 337
cgttgctgtc gggggacgtg tgttccctca aagtctgtgc catcttctcc cacccctgcc 60
gggtagaaag aggggctgac cccagggctg agagagggga ggggactgga gggcagactg 120
gcttctcggt ccccaaggag ccgcttgggc tgttggtctc cagagcaggg ccactgggca 180
ctctgtgagg ggggagcctt tgtatgaaag cacaaccccc tcgcgcttgc tgtccacatg 240
ggttcccctt cattggcatt aatctgggca ccagctctct ccatagcagt gacttgcctc 300
accactctca tgtctcagcc ttgccttttc ttactgacac tgtcgccccc tcctctcagg 360
agacaatgac tatggccacc tgacagaagg cttatn 396

<210> 338
<211> 392
<212> DNA
<213> Homo sapien

<400> 338
ggcacgaggg aaggtccagc ccaggagggt ccatgtcaag gaggttccat gcccaggagg 60
gtccatgctg aggtgggtcc atgcccagga gggttcatgt ccagaaaggt ccatgcctag 120
gagggcccat acacaacaga gccctgtgcc caggaaggac catgtcaagg agaaccccat 180
gcccatgagg gtccatgccc agtaagggcc atgcccatga gatcctcatg cccaggaagg 240
cccatgccca ggagggtcca tgcccaggcc agttcatgca caggagggcc ccatgcctaa 300
aagtgtccat gcccaggaag gtccatgtcc agaagagtcc atacccagga gggctgatat 360
ggttaggctt tgtgtctcca cccaaatctc at 392

<210> 339
<211> 393
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(393)
<223> n = A,T,C or G

<400> 339
tcgaattcgg cacgagccag gagtcaaccc agaacttgcc ctgaaggact tcgccacaca 60
accaacctct ccaagacaaa cggagaggaa aaaggaagct gccgaggaag agcccacagt 120
atgtcctcac ttggggaaaa agaaaactat gcatggattg gtatatgtaa tatacataca 180
tacatacata tatatatata tatatgcatt aagtgagtaa caaaaagtct ggaaggatac 240
gttcaaacta ttaactgggg ttacctgcag ggagggtgcc aagggaactt ttacttttac 300
tacatatatt tctggcttat ttggattttt cacccaaaga tcccaagtgt acttggagta 360
gttaacatga gaagaataat aggggtgcaa tan 393

<210> 340
<211> 393

<212> DNA
<213> Homo sapien

<400> 340
ggcacgagga gccccgggcg gcactggatc gggccccgga gggtgtgggg ccttgaggaa 60
gccagatccc aggcctcggg ggtggctttt tcgcaattgt cgcacgttgt gaggcgcagg 120
attggcgctg ggtctcgggc tcggggcgag gaactacggt tcgggccgag tgccaaagag 180
atggatgaga ctgttgctga gttcatcaag aggaccatct tgaaaatccc catgaatgaa 240
ctgacaacaa tcctgaaggc ctgggatttt ttgtctgaaa atcaactgca gactgtaaat 300
ttccgacaga gaaaggaatc tgtagttcag cacttgatcc atctgtgtga ggaaaagcgt 360
gcaagtatca gtgatgctgc cctgttagac atc 393

<210> 341
<211> 392
<212> DNA
<213> Homo sapien

<400> 341
ctgtagtccc agctactcgg gaggctgaag caggagaatg gcgtgaacct gggaggcgga 60
gcttgcagtg agccgagatc acaccactgc actccagcct gagcgacaga gcaagactcc 120
atctcaaaaa aaaaaaaaaa gggggggggg ccaaaaaccc aaaaaggggg gacaaaaggg 180
ggcccccccc ccttggggga aaaaagggaa ccctaggccc cccaaaagga atttggggga 240
gccccccccgg cccggcgggg gaaaaaaacc cggggtttaa attgggagcc tttggcgggg 300
ggggcaaaaa acccttgggg gttaacccct ggaagggacc cccaacccaa ccccccgggg 360
ggggaaaacc ttaaatgggg cccgaacggg gg 392

<210> 342
<211> 397
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(397)
<223> n = A,T,C or G

<400> 342
attcgaattc ggcacgaggg gacatgagtg tccctgggcc gccgtcttcg gacggggccc 60
tgacacgggc accctactgc ctggaggccg gggagccgac gcctggttta agtgacactt 120
ctccagatga agggttaata gaggacttga ctatagaaga caaagcagng gagcaactgg 180
caaaaggatt gctttctcat tatttgccag atctgcagag atcaaaacaa gccctccagg 240
aactcacaca gaaccaagtt gtattgttag acacactgga gcaagagatt tcaaaactta 300
gagaatgtga ttctatgttg gatattaatg ctttgtttgc tgaggctaaa cactatcatg 360
ccaaagtggt gaacataaga aaagagatgc tgatgct 397

<210> 343
<211> 396
<212> DNA
<213> Homo sapien

<220>

<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 343
cgaattcggc acgaggggac atgagtgtcc ctgggccgtc gtctccggac ggggccctga 60
cacggccacc ctactgcctg gaggccgggg agccgacgcc tggtttaagt gacacttctc 120
cagatgaagg gttaatagag gacttgacta tagaagacaa agcagtggag caactggcag 180
aaggattgct ttctcattat ttgccagatc tgcagagatc aaaacaagcc ctccaggaac 240
tcacacagaa ccaagttgta ttgttagaca cactggaaca agagatttca gaacttanag 300
aatgtcattc tatgttggat attaatgctt tggttgctga ggctaaacac tatcatgcca 360
agttggtgaa tataagaaca gagatgctga tgcttn 396

<210> 344
<211> 394
<212> DNA
<213> Homo sapien

<400> 344
aattcggcac gagaaggatc tgtctgtgtg tcatggagca cctggagtgt tctgtctgga 60
atgctggctg ggagccttct cctggcattt gaacgagggg cagctgtgtc ctctgtttgc 120
cgtgtaaaga aaagaggaca gagctcagag gagatgaacc ccagcagaaa ggggtgcttg 180
accagcagga gagaagataa ccaagagggt ctgtgggtgt ctcttctgag ctacaccagt 240
ttccaggtta cctgggacca tggataactc tcagatcagc aacttgtcag ttgatttcca 300
agctgctgtt ggctggactc agactcagca gggagcacct gggcgagccc tgtgctgcgg 360
gctggactcc ggcccatctc gctgattact cttg 394

<210> 345
<211> 392
<212> DNA
<213> Homo sapien

<400> 345
ggcacgagcc tttctccacc ctgcttaccc aacctgaggt aagaccagtc acactggctc 60
ctccctccta gaggggqtca gggggagggt gtatattgac atgaacaggg atagagggta 120
aactggctcc ctgaatatgc cagccttaac ctccattcca ctgccagctc cccttcaaag 180
aggaggagct gggcttccct aacctctgca ggaggcaggg cctccaggcc taggtgcagc 240
ctggccctgg gatgggatgt ggggagtgaa tggtgaggat ctgcattggt gggaggggtg 300
tccgctgccc tggagaaggg ttaattcagg gagcagtgga cttcacaccc ccatccaccc 360
tcctccaagc ctgtggaatc ctttaatcaa gt 392

<210> 346
<211> 394
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(394)
<223> n = A,T,C or G

<400> 346
gaattttatt agacacttta aggaaatatg agatttggaa cacagatgtt catcataaaa 60
cataatactg aaagtttgag aatgaccaaa acatccaaaa ataaggaaag ttataaatta 120
agatttatcc atataatgga atatgaaaca aatcatgtct tcaagaattt aatgacagaa 180
aaatgtccag tggatagtag ttttcaaaag ctaggaaaac tacattcagc atgatcccaa 240
ttttatgtaa caaattcgta aggaaggaaa tttcttaact tacacatcac cagccattct 300
ttctaggttg tagaatgaca ccagtgtggg ttgtggggtt tttgtttttt gtntgggggg 360
ataatttctg cccatttatt gcacttttac aatt 394

<210> 347
<211> 394
<212> DNA
<213> Homo sapien

<400> 347
gggcttctgg attataggag agatataagg tactgatgat gcttcctgat gtgtaaagaa 60
ctgttcaata gaagaaatta aaaaactatg ccaggaacag ttagagctcc tgtctgaaaa 120
aaaaattttg aagattcttg agggtgacaa tggaatggac tctgatatgg aagaggaagc 180
agatgatggc tctaagatgg gatctgattt agtcagtcag caagacatct gtatagattc 240
tgcttcatcc gtgagagaga ataagcaacc tgaaggtttg gaattaaaac aaggaaaagg 300
ggaagatagt gatgtactca gtataaatgc agatgcttat gacagcgaca tagaaggccc 360
attgcacgaa gaagcagctg ctccccgggc accg 394

<210> 348
<211> 391
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(391)
<223> n = A,T,C or G

<400> 348
attcgaattc ggcacgagac agagggcttt ggagtccctc gccacgaccc tttgcctgac 60
cccctcaagg tccccccacc actgcctgac ccatccagca tctgcatggt ggaccccgag 120
atgctgcccc ccaagacagc acggcaaacg gagaacgtca gccgcacccg gaagcccctg 180
gcccgcccca actcacgcgc tgccgccccc aaagccactc cagtggctgc tgccaaaacc 240
aaggggcttg ctgggggnga ccgtgccagc cgaccactca gtgcccggag tgagcccagt 300
gagatnggaa gccnggcaac ccctgtccag aaagtcctca ccccccagaa ctgcacttcg 360
aggcccggcg ggccagccac gagcggcccg g 391

<210> 349
<211> 391
<212> DNA
<213> Homo sapien

<400> 349
ggcacgaggc cttctccacc gatggtcaga ctgtcctctc tggagacaag gatgggctcg 60
tggctgtgag ccacccctgc acagggacaa ccttccgtgt gctgagtgac caccagggcg 120
ccccaatctc taccatctgt gtcacgtgca aagagtgtga agacttaggg gtggagggca 180

cagacctatg gctggctgcc agtggggacc agcgggtcag cgtctgggcc tccgactggc 240
tgcggaacca ctgtgagctt gtggactggt tgagtttccc aatgcctgcc accacggaga 300
ctcagggcca cctgccaccc tccctcgctg ccttctgccc ttgggatggg gcgctcctga 360
tgtacgtggg ccccggtgtt tacaaggagg t 391

<210> 350
<211> 397
<212> DNA
<213> Homo sapien

<400> 350
ttcgaattcg gcacgaggga ggacgttgcg tggagtggtg ggaggaggcg ggagccgtgt 60
gcgagagcag gtggaaagcc ttgaggggca ggaccaggat gcagctggct tgtagaagag 120
ctcaggagtg agcctggcac tccagagggc gcggcgggtg gggaggcagc aggcaccagt 180
ccaggagagc ttcgtggacg tggctcctgc gcgcacaccc ccaggagcac agccacgggc 240
tgcaggtgtg gctggcctca gcactcagtc ctcacccgga gcctttgcct gctcctcctt 300
ccaagagcac tgaggcacca gtgggcttgc actccacctt gggcttcctt ttcctggaga 360
gccgccttga gggtccctcc tgtgactggg gtctctg 397

<210> 351
<211> 391
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(391)
<223> n = A,T,C or G

<400> 351
ggcacgaggt gaggagtagt tgctggccag cctggatgac gacctctgac ccatgtcgcc 60
actggagctg gtggcagtgg ggctggggag gaaggaacgc caagggccac agagagaacc 120
caggctccat ctgggccgag acatcctggc ctctgagttt gacaggggag cccactgccc 180
ggccaaacag gagctggggc tgggagctca gactcagtcc agcccaggtg ggagtcctgg 240
ggaaggagat agcccacgag cctcaccagc cctgggtgac agccagatgg tgtccgaagc 300
cccangcctg gggcaggcag ggggtggtct ggcccaggat gaacggaggc caactgggta 360
acaagcaaag tcggtgggca ggggctcata g 391

<210> 352
<211> 393
<212> DNA
<213> Homo sapien

<400> 352
ggcacgagcc gagaccacgc cacgcacttg gcggcaggga cccggaggcc gacccccttgg 60
cgggaaccag cacaaagtgt tggcatcgcc cggcgcccgg gacagtcctg ggcacagcct 120
cggctctgag tccctccgcc tcccagcgac ggacgccaaa gggtcccggg ccgcctgagg 180
ctcctcccca ccacagccat ctcgtttatc ggaccaggag caggcatcca tgagacctca 240
gagcttcaga tcgaggcctt ggggggtccg ggccccccca ggaaacacgg tgaggcccca 300
gcgcctgcag ccaaagctgg cacgatctat ggggcaggtg ccgctctgcc tagaaaagcc 360
aggggctctg ctgccgtgcc ctccagagcc cat 393

<210> 353
<211> 392
<212> DNA
<213> Homo sapien

<400> 353
cgaattcggc acgaggtttt gctgcgttcc tactgtctct atgttctcct gcttgccatc 60
aatggagtga cagagtgttt cacatttgct gccatgagca aagaggaggt cgacaggtac 120
aattttgtga tgctggccct gtcctcctca ttcctggtgt tatcctatct cttgacccgt 180
tggtgtggca gcgtgggctt catcttggcc aactgcttta acatgggcat tcggatcacg 240
cagagccttt gcttcatcca ccgctactac cgaaggagcc cccacaggcc cctggctggc 300
ctgcacctat cgccagtcct gctcgggaca tttgccctca gtggtggggt tactgctgtt 360
tcggaggtat tcctctgctg tgagcagggc tg 392

<210> 354
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 354
ttcggcacga gaacacagcg aggaacttgg aactgaggag ggcgaggttg aagagatgga 60
cactttagac cctcagacag gtctgtttta ccgatctgcc ctgactcagt cacagtcagc 120
taaacagcag aaacttagcc agcccccgct ggaacagact cagctgcaag tgaaaactct 180
gcagtgcttc cagactaaac agaagcagac catccacctg caggcagacc agctccagca 240
caaactcccg caaatgcccc agctttccat caggcatcaa aaactcaccc ctctccagca 300
agaacaagca cagcccaagc cagatgtaca gcacacacag catcccatgg tgcccaagac 360
agcagcttct acctaatgca cagcccccga aactgn 396

<210> 355
<211> 397
<212> DNA
<213> Homo sapien

<400> 355
ggcacgagct ctctctctct ctctctctct ctctctctct ctctctctct ctctctctct 60
cggtatctct ctcggtgtgg agctcttctc caacatctgg ggagctggga ccaagactgc 120
ccagatgtgg taccaacagg gcttccgaag tctggaagac atccgcagcc aggccttcct 180
gacaacccag caggccatcg gcctgaagca ttacagagac ttcctggaac gtatgcccag 240
ggaggaggct acagagattg agcagacagg ccagaaagca gcccagggct ttaactgcgg 300
gctgctgtgt gtggcatagt ggtcataccg acggggaaag gcgacctgcg gtgatgacga 360
cgtgctcatc actcacccag atagatggtc ccaccgg 397

<210> 356
<211> 394
<212> DNA

<213> Homo sapien

<400> 356
ggcacgagcc caggaggccc ctgattccac tgctgcagga ggctcagcct cgaagcggat 60
ggcgctggtg ctggaacggg tgtgcagcac tctcctgggc ctggaggaac acctgaatgc 120
cctggaccgg gctgctggtg acggcgactg tggcaccacc cacagccgtg cggccagagc 180
aatccaggag tggctgaagg agggcccacc ccctgccagc cctgcccagc tgctctccaa 240
gttgtctgtt ctgctcctgg agaagatggg aggctcatct ggggcgctct atggcctgtt 300
cctgactgcg gctgcacagc ccctgaaggc caagaccagc ctcccagcct ggtctgctgc 360
catggatgcc ggcctggaag ccatgcagaa gtat 394

<210> 357
<211> 397
<212> DNA
<213> Homo sapien

<400> 357
ggcacgagcc agcaccggac cacctgctcc aagaccagcc tcctgggggg accacgcacc 60
cggccttcac tggcacccag ggagccgtcc tcagcagcgt caacatgtca aggcccagca 120
gcagagccat ttacttgcac cggaaggagt actcccagaa cctcacctca gagcccaccc 180
tcctgcagca cagggtggag cacttgatga catgcaagca ggggagtcag agagtccagg 240
ggcccgagga tgccttgcag aagctgttcg agatggatgc acagggccgg gtgtggagcc 300
aagacttgat cctgcaggtc agggacggct ggctgcagct gctggacatt gagaccaagg 360
aggagctgga ctcttaccgc ctagacagca tccaggc 397

<210> 358
<211> 396
<212> DNA
<213> Homo sapien

<400> 358
attcgaattc ggcacgaggg acagtagaca aaagagagag agaccgaggc agagatagag 60
aaaaaaaggc ccagagagag tcccctcagg ccaactttgg ttttcacttc tcagttctga 120
gagccgagga agcaggaagg agctgtgaga gactgagctc taaccttggc catcaaagac 180
aagctgtgca gctctggttt tttgagggca ggacatggag ggtcaggccc agctggaggc 240
gcaccaaagc ccagagaaaa ttcagaacca cgtgaacttg ttggatttca gccccttgaa 300
gcacatgttg ctattgcagc tgccttgata actgggggga caggaggagc acggctttcc 360
catcttgtac ggagactcgc caatccagtt gcccct 396

<210> 359
<211> 396
<212> DNA
<213> Homo sapien

<400> 359
ggcacgagat gtcctcaacc cagtctacgt ggagaggatc ctcctgctga gacagggtca 60
catttgccgc ctgcaggact tggtgtcccc agtatactct tacctgtgga ctcgccctgc 120
agtaggtcga gcacagctgg acgccatctc ggagaaggtg gatgtgattg ccaagcgtgt 180
gctggggctt ctagaaagat ctggtatgag cttaactcag gatatgctga atggagaact 240
gaagaagcta tcagaaggtc tggaaggcac caagtacagt aatgtgatga aactccttcg 300
gatggccctc agtggacagc agcaaggacc tcctgtagct gagatgatgt tggccttggg 360

accaaaggaa gtacgggaac ggatccagaa ggtggt 396

<210> 360
<211> 396
<212> DNA
<213> Homo sapien

<400> 360
atcccatcga ttcgcaggca acaaaggatc attggtttat gcaggaatta aatcaattgt 60
aaagtcatcg ttgggaatgg tggaaagcag cagacataat tggagtgggt tggataagca 120
aagtgatatt caaaatttaa atgaagagag aatcttagct ttacagcttt gtgggtggat 180
aaagaaagga acggatgtag acgtggggcc atttttgaac tcccttgtac aagaagggga 240
atgggaaaga gctgctgctg tggcattgtt caacttggat attcgccgag caatccaaat 300
cctgaatgaa ggggcatctt ctgaaaaagg agatctgaat ctcaatgtgg tagcaatggc 360
tttatcgggt tatacggatg agaagaactc cctttg 396

<210> 361
<211> 386
<212> DNA
<213> Homo sapien

<400> 361
tcgaattcgg cacgagggca gataaagggc agagggagac agttcccgag ccccacaggc 60
tggcatgttg cctgcaagcc aggacacctg aactgtccta tgagaccgaa gctctggctt 120
tcagtcactg aaattcgggg ggttatttgt ccagcagtga gaagtgccga ttcagcagtt 180
acatctgctt catggaatcc ggcttgaagc acaaagaagg atgaaatgaa caagtcccgt 240
ggagatctca cacatttaga tatgtgatgg ggaaaatgca ttttggatgg tccatgactg 300
tccaggtttc aaatattcta gtctactgga gtcctcacgt tcacttttc ttttttttt 360
ttttttataa agggggagca acctgc 386

<210> 362
<211> 388
<212> DNA
<213> Homo sapien

<400> 362
atcgattcga attcggcacg aggctgagta aatcctattt tactatttga ctgattaaat 60
cacgaagata cccaggaggc aaaactgaaa cagctcaggt gtctagggga agtccaaagt 120
agaggacact gtgaaccagc taccatgact gacctcagtt tgaaactact ggggtagtct 180
gtattatggc tgaaaaattc attctttcta ccaagatttt ccattgaaaa tttgcctttg 240
acttatttaa cttctaatca gctgaccttc tacctttttt gcatttgaag tagatttctt 300
ttagtaggcc agcgggtaaa caaggagaaa acacacaggg caagtcagat gcatcattga 360
accgagtttc tctctctaaa cctgtaag 388

<210> 363
<211> 386
<212> DNA
<213> Homo sapien

<400> 363
ggcacgagag ttagtccagt gccctcattt aagaggccaa gatcctgatt cagaggaggc 60

atcctttgcc cagagctgct tagctaatct gaccaaatgt tgggaaaaat gtctcaccta 120
acccactatt ccttaattat ggattttgtg aaaaacaata gaacatgtta atgagtaatt 180
tatattagtt cgatgtatta caatttttta gctttaaatt acagttttct tataatgttg 240
aaatgtttta gaatcctttg aatctaagta tttgtttcct aaatgaaaca tttgtacaac 300
atttgatgtt tttacttatg aaatattctc ctcccccaag aaaatttaaa ctttttctct 360
ctatttaaaa gctaagaaat gtttta 386

<210> 364
<211> 386
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(386)
<223> n = A,T,C or G

<400> 364
ggcacgagag agagagagag aactagtctc gagagcagtt ttttttttt ttttttaagg 60
gttgataaag gcctctcccc cgccccagga aaaaacccct tggggaaggg ccaccggggg 120
gacccgccat ttttttgggt tccccaaaaa aggactttgg accccgtttt ttgaaacccc 180
ctttagtttc caaataattt tttaaatata aagaggggac ccattttcgg ttttagggta 240
aaaaaccccc tctatttata tattccagtt ttggaagggg ttttggcaaa aaattaaata 300
ggcctaaacc aattttggga aaaaaccttt ttttttttt tttaaaaaaa accgggcccc 360
cataaacttg gtttaaaggg ctttan 386

<210> 365
<211> 386
<212> DNA
<213> Homo sapien

<400> 365
ggcacgaggc gggacgcgac aaagtcatgg accgcaaccc ctcgccgccg ccgccgggtc 60
gcgacaagga ggaggaggag gaggtggccg gtggagactg catagggagc acggtctaca 120
gcaaacactg gctcttcggc gtcctcagcg gactcatcca gattgttagc cctgaaaaca 180
ccaaatctag ctcagatgat gaggagcagc tgacggagct tgatgaagaa atggagaatg 240
aaatttgcag agtatgggat atgtcaatgg atgaggacgt ggctttattt ctccaagaat 300
ttaatgctcc tgatatattc atgggagtac tggccaagtc caagtgtcct cgattaagag 360
aaatctgtgt gggaatttta ggtaat 386

<210> 366
<211> 390
<212> DNA
<213> Homo sapien

<400> 366
tgcacgagga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 60
gagagagaga gagagagaga gagagagaga gtgagagaga gcgtgagaga gagagagaga 120
gagagagaga gagagtgaga gagagagaga gagagagaga gagcgcgcgc gcgctctttc 180
tctctctctt ttttgtgtgc ccacttaccc acatatatat atgcccgccc acacggggtg 240
tgtgttcttg agagagatat ttttttctct ctacccccctg gagagcgcgt gtttttcccc 300

ccccggggtg gtggtctctt ctctcttgag ggggctgtta tctaacctct cctctccccc 360
ttttttctct tttctcccac acaccgtggt 390

<210> 367
<211> 389
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(389)
<223> n = A,T,C or G

<400> 367
ggcacgagat cacggggcct gaggttttac tccagaaaag cagaggagtg gcaaccttgg 60
cttggggttt ggcagcccag gaaaggcagg gaggagagct caaagccggt ttcatgtttc 120
acccaaggtc taattgtggg agaggacaaa tccagatccc ctgtttgaca gaattagttc 180
acaaatgtct cttggcaaaa acatgtgaca cctaaccatg ataattgact taatccaaga 240
aagagctctg tagggcagag caataggaaa tctctctttc gttatggaaa aaaaataatc 300
cctctacata gaaactgagt gacatgtaaa aatgtgtagc taagtcaggg agttacttcc 360
taagagcctg acgctctgct tttcatcan 389

<210> 368
<211> 389
<212> DNA
<213> Homo sapien

<400> 368
ggcacgagct tattccctag gtccttttat gtttttgacc aagctgggtt cccccagctg 60
gtattatgga cttacacagt tctgatgtta gatgttaaac agttgccact cattgttttc 120
gttgttttca acaaaatccc tggggatagg gcttttccca ctgagctagc cagagtccag 180
tcaaataaca ggactttcaa atggagcttt tctaggaagc tgccagacaa gacagtactt 240
tgggtcaaaa ctttttgagg aggtccaaac ctgagctgtc cccccacctg ccagtggctg 300
cacagctcta ggttttcata gttgccatgg ttacaagact tcaggttttg aaggctactg 360
tggagctgga agaaaagggg agcaaggca 389

<210> 369
<211> 387
<212> DNA
<213> Homo sapien

<400> 369
ggcacgagaa tacctctact ttttgcctat tatgccagaa atactataaa tctaaacaga 60
taaagtgtgt gagacttttt ctcataacta ttcatgacat ttaaaatccc tatgggctgg 120
caagagagtt ctcattattc tgaaatggtc ctgacaagct gcatgaatag caatttttt 180
ttgagacaga gtcttgctct gtcacccagg ctggactgga gtagtgcaat ctcagttcac 240
tgcaacctcc gcctcccagg ttcaagcgat actcccacct cagcctcctg agtagctggg 300
actacaggca tgcagcacca tgtctggcta atttttgtat ttttaggaga ggccggggtt 360
caccatattc gccaggctgg tcttgag 387

<210> 370

<211> 389
<212> DNA
<213> Homo sapien

<400> 370
ggcacgagat taagtgttgg ttcatagaga ttgccaataa tcagaaagaa ccttaaatgt 60
gcatttaaga cagtgtccct tcccttcttt tcaatgaagg tccctgccta tataaatcat 120
ctggcacgct ggtgggaaat cctttgctct tccaacgtgt tattagtgct gggcagagat 180
ggggcacact caggggccaa agaggacaaa aagtccatgc aaaacttgag tcttttaatg 240
gcttaagata atcaggagtc agttctgaat cttacaaagt gctctgctta ataagtacct 300
tacttagcag agcactttgc aaacatatta cttattagca gagctctttg tagaccttcc 360
acatctggct gtcagatctt aaggttgtg 389

<210> 371
<211> 390
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(390)
<223> n = A,T,C or G

<400> 371
ggcacgagga gaaacgccca caggtgtgga ggggcaaccc atcccttcac tgaaccattt 60
ttattctttc agaaatgtga ttgataacag taaagccaca ctactcaagt gcctgaaata 120
cccctcattg tcttcttcag gtggcaaggg ctctggaaca gccacataaa ggtgagggca 180
atatttttac tgtagttctt tcattgattg gttgattgat ttttttctct tagagggtta 240
gcatacattt atctgaaatt gaaattcaag aggagagaca ggcacctgta ctagttttct 300
cttgctgcct attatcacat taccacaaac cagtggtttg aaaccacaaa agtctggaat 360
gaagtggccg ggttctctga tcagagtatn 390

<210> 372
<211> 389
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(389)
<223> n = A,T,C or G

<400> 372
ggcacgagct caactccacc ttttgtactg gtactcaaga ttcaatgagt gatgccactt 60
gtgaagagtc ttcagagcac tttccacatt ttagtgaacc aggtgatgac tttggagaat 120
ttggggatat aaatgctgtt tcttgccaag aggagacaat attaacaaag tcagacctaa 180
aacagacttc tgataattta tcagaagaat gtcaattggc aagaaaatct agtggaacag 240
gcactgaacc tgttgcaaaa cttaaaaatg ggcaagaagg tgagattgga cattttgatt 300
ctgtgccaaa tattcaggat gactgcaatg gttttcaaga ctctgatgat tntgcagact 360
tcagttcagc tggtcctagc caagttgta 389

<210> 373
<211> 387
<212> DNA
<213> Homo sapien

<400> 373
cgaattcggc acgaggggcg gagggagcag gctcaggcac cgagactgct gagccactgg 60
ccacccggga agcaggctgc gttctgagtc ggtcaccgaa tatgtccccc cttggacggg 120
agtagcgcaa cgatgtgcag gccagctcag gaagtaacgc tgggagcttc tagaaggtgg 180
agcgggatcc aggaccgtgg gagcttttcc ggagaagcct acctctcctg tgttgcagct 240
gatgggagca gcagggcctg gagaagaact gtccccaggc tgactccct cttggagtga 300
ggaggcctcc cgtgtttgcc tgccagcctc catctgtcat cttggttcca gccattcaac 360
tttcctccag gagagcagag ctgctct 387

<210> 374
<211> 390
<212> DNA
<213> Homo sapien

<400> 374
ggcacgaggt ctgggctaat tagtccattt gggcttagga aaacagtggc acctatttct 60
gagatggtct tttactaaca ctgtgcattg cctgcatctt cctgtgcatg gctttgtttg 120
ctcctatctg caggttggtg agccccacag ggcaggctgt actatgcact gtcatagccc 180
aggaaagcca ctttcagacc aggtggcttg ctccagaacc caaggctagt aaggggcaaa 240
gctgggtcta gaacttcaac tttctctttt tctactccac gatatgactg acatttaggt 300
ttgcacacag cagcgttaca tctatgggtt ctaatttaat aatgataaat aatttttttt 360
tctttttttt tgagatggag tctcgctctg 390

<210> 375
<211> 386
<212> DNA
<213> Homo sapien

<400> 375
ggcacgagaa ctccctctcc agctcttctg aatcttggga cacagcctaa aaaggacaaa 60
aagttagaag acagcatagc aactcagctc agggagctac cagagaaaaa tagcaactga 120
tgtgggtgct ttttttttt tttatttgga aaaaaaaaaa ttaaaaggga ggccttttaa 180
taaaaggctt tttccccttt cccgcctaca gtttttttctt ttcccttaaa agggggggaag 240
gggtataaac ctacggggtg gggagtttaa aaaaagaatc cccttcaccc ccaccttggc 300
caaacaaagg ggggttggcg gttggaaaag gggaacacaa atcctggcac actggggata 360
ttttttgcaa atggcagcct ttgggg 386

<210> 376
<211> 388
<212> DNA
<213> Homo sapien

<400> 376
atcgattcga attcggcacg agggcatcca aagccacata tctgtaggtg tattctgtgc 60
tttgggagct ctggggtgag tctaacatca aaccctatac ctttgttttt ctcacactta 120
gattatacct ctaagaccat tagctcatct tgcattgttt gagggattca gtgtaagccc 180

ctggaccaaa aaggcttttt cctctctgcc ttctgtgtct gctacaggca caactctaag 240
gtgaacagga gagagacagg ccaaactagg agcccatcac ctaaaaaaga ggtctaccaa 300
aggcgacatg ctcccggata caccagaaaa ctctctgcag aggaattaga gcgaaacggg 360
cagagattga tggaaacgcc aatgaggg 388

<210> 377
<211> 388
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(388)
<223> n = A,T,C or G

<400> 377
atcgattcga attcggcacg aggtggcatt agggagggat tgtgagaaat gacttgtaaa 60
tataccttgg gaaggtaaaa caaagatgat ttattgatgg gaaggatgga attgatagaa 120
tgtgagggaa agggagaact caaggggaat actctgattt tttagcctgt cattggttgg 180
atggtgaagc aggcaacaaa aatgggggggg cctgggcaaa gattaggggg gggggagcca 240
agagtttcat ttggagctca tcagtttgaa atctcagtga gacttccaaa ttgaataggc 300
agttggatgc agaaatgttg agcttgggcc ctgagatgca caattgtttg agatataaat 360
gggggttata agactatggt ttataaan 388

<210> 378
<211> 388
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(388)
<223> n = A,T,C or G

<400> 378
ggcacgagcc cacctggaag agctgcacac tcaggcccag gaggggctcc gctccctaca 60
acaccaagag aaacagaaac tgaacaaggg tggctgggac catggagaca cccagagtat 120
ccagttccaa tggggagcct tgaggagaca gccccaccca gatctccttc taccctgata 180
gtcctcccgg acggggccgg atgaagacaa catctccttc tgcagtcaga ccacatccta 240
cgtggctgag agctccacag cagaggacgc gctctccatc cgctcggaga tgatccagcg 300
caaaggtgat tcaatggcag gggagaggga caagtggctc cattggggcc ccagcatctg 360
aagctctttt tcttcttaat cagnggtt 388

<210> 379
<211> 389
<212> DNA
<213> Homo sapien

<400> 379
cgttgctgtc ggtgctgtcc ttttattaaa cttatttttc ctattttgaa tgacagtctg 60
tccctcttcc atgtctctaa tgttagtact gcccatgact agttggtgga tagaatgtct 120

ttgcccattt ttatatggca gtgggtaggc agaaagcatt ctgcttacag ctacagtcac 180
atccagcctg ggcttgttgt ggacaggatc cattgcagaa atagcctgtt gcatcttagc 240
cactggacag gaatcagtta caagtttcca aatgctttct gccataacca ctgttttcag 300
agctgtatgt acaatgccta gggaacacac agctcaaggt cagggaagaa agagcacgag 360
caacgttgac ctgtctgcag catcatggt 389

<210> 380
<211> 387
<212> DNA
<213> Homo sapien

<400> 380
cgttgctgtc ggccaagcca tttgggttca ttttaagcaa ggcccccag gagcggcttg 60
ccccaataaa ctccgaaggt attatttcat tatcagggtg ccaggtggtt ttggccaggg 120
cctctgcaac tcttttctct gtgaccattt tccatttcgg ctcatatgaa ccagccttta 180
ctacagagct ataaagtaaa ataatgtaat tagtgcagcc aactgcagct gttctcaaac 240
tcaatgtcac agccattaca catgtgaaat atttacaggg gttttaatca attttctttc 300
ctgacacccg tttttcatta aaaatgacaa aaataataaa tgcacatggc agtagataca 360
gaagaacacc aggaatgaat tattatt 387

<210> 381
<211> 389
<212> DNA
<213> Homo sapien

<400> 381
cgattcgaat tcggcacgag gcctcacctc cctgcagagg tccggccagg tctccttgtc 60
cctggacaat ctcctgagcc tctctgcttg ggggagcagg cacctgtgtg cagaattccc 120
actgtggcca gcacgaggaa gtcttttcta gtgaaaatgt gtcttgtggt caggaataat 180
tatcctttcc cctgtagcca ccaaggaggg caaatagaga aaggtaacct aattgaagga 240
ttggtcatgt gaaaagggct acatttggga agctgggaaa ggcctccagg cttctagagc 300
agctagcttg ggctggattc tcacacccag gctgcccctt ggaattgtct acccaagctt 360
ttcccttggg gctgggctca ctccataag 389

<210> 382
<211> 390
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(390)
<223> n = A,T,C or G

<400> 382
gaattcggca cgagggcatc caaagccaca tatctgtagg tgtattctgt gctttgggag 60
ctctggggtg agtctaacat caaaccctat acctttgttt ttctcacact tagattatac 120
ctctaagacc attagctcat cttgcattgt ttgagggatt cagtgtaagc ccctggacca 180
aaaaggcttt ttcctctctg ccttctgtgt ctgctacagg cacaactcta aagtgaacag 240
gagagagaca ggccaaacta ggagcccatc acctaaaaaa agaggtctac caaaggcgac 300
atgctcccgg atacaccaga aaactctctg cagaggaatt agagcggaaa cggcangaga 360

ttgatggaaa acgccaatgg gaggaggagg 390

<210> 383
<211> 387
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(387)
<223> n = A,T,C or G

<400> 383
ggcacgagcc acggtgagca ggctagaaac tcacgacacc aggtagctct gcaggtgctg 60
ggagggcaac tcagcccaga ggaagagcag gctggggagc cctcaccgcc caatggggac 120
tgacccctgg cccctgcccc tctccacccc actgccctga agccagattt cctgctcagc 180
atggacagga cagcaagagg ctaaccctct gcccaggtgg aagctgaccc caagccaccc 240
ttcacctgga caggatgaga gtgtcaggtg tgcttcgcct cctggccctc atctttgcca 300
tagtcacgac atggatgttt attcgaagct acatgagctt cagcatgaaa accatccgtc 360
tgccacgctg gctggcagcc tcgcccn 387

<210> 384
<211> 386
<212> DNA
<213> Homo sapien

<400> 384
ggcacgagga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 60
gagagagaga gagagcgaga gagagagaga gagagagaga gagagagaga gagagagaga 120
gagagagaga gcgccgcgcg cagagagaga ccccccctct cccctctctc tctctctctt 180
ttctctctct acacacacac actttttttt tttttgtgtg atgccccata gagacccccc 240
tccgcgcgcg cgcgagagag aggggctctt ttttctctct gtacgctcgg tatgtgtgtt 300
ctctatatat agtgtgcgtc tcccccccca cccacactta tatatgtgtg ttgtatatgg 360
gccgcactcc tctgtctctc ttatct 386

<210> 385
<211> 390
<212> DNA
<213> Homo sapien

<400> 385
ggcacgaggg agaaggagct ttcaaggagt catgggtgcc cctgggaaat tccccactcc 60
ttagaagtgg ggcacagcag gggtgagaat agagtcagga gccctcgagg ccaaggcctg 120
ggctgccggt cagtcagtga aggtcaggcc agggtctcag cctcccctag agcctatttt 180
gcttgctcac ctggccactg ctgccttatc cattcagcag acaccgaggc ctgctgcacc 240
cttgggtcgg atgctgggcc ccagatccct ggtgacacct tcctggagaa gactctcaaa 300
agtgactgta tatttgagtt caccagcaat aactccccac actcgaagca ggtccaaacc 360
caggatctca gggtccttgg gctctgtggg 390

<210> 386
<211> 387

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(387)
<223> n = A,T,C or G

<400> 386
ggcacgagaa ggatctgtct gtgtgtcatg gagcacctgg agtgttctgt ctggaatgct 60
ggctgggagc cttctcctgg catttgaacg aggggcagct gtgtcctctg tttgccgtgt 120
aaagaaaaga ggacagagct cagaggagat gaaccccagc agaaaggggt gcttgaccag 180
caggagagaa gataaccaag agggtctgtg ggtgtctctt ctgagctaca ccagtttcca 240
ggttacctgg gaccatggat aactctcaga tcagcaactt gtcagttgat ttccaagctg 300
ctgttggctg gactcagact cagcagggag cacctgggcg agccctgtgc tgcgggctgg 360
actccggccc atctcgctga ttactcn 387

<210> 387
<211> 386
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(386)
<223> n = A,T,C or G

<400> 387
attcgaattc ggcacgagac accctgttgg ccatgactca acaaaccagt gttgggagcc 60
gtctgcctcc ccagctcagt gcctttctgc acccccttctc tcctggggag ctgtctgcat 120
ccgccacccc ctccaaccac tgccctcagc ccccgacctt atttattacc ctccccctccc 180
acacccccaa tctacctggt gatgatttta agtttgcgcg tgtcttgngt tgggctgggg 240
ggtttcccac atgcagtgtc agaggggccg cccggtgggg ctatctcccg tgctatatta 300
atggcangac taaatgaaac ctaaggcacg gccctccgag ctgcgtgtgc cccttagagg 360
tgacatcaga gcagagcagt gagggt 386

<210> 388
<211> 389
<212> DNA
<213> Homo sapien

<400> 388
cgaggctcat cctgcatcgc tcggtgtctg ggctgaagca gacactgctg gcggagtccg 60
aggctctgac cagctacagc caccgggtgt tctcggcctg ggacttcggt ctctgcggga 120
cgtccacgtg cggctgcgcc agcgcatcat cttgtacgaa ttaaaggtgg agctggagga 180
gacagtggtg cggcgccagg ctgcggtgcg gacgctgtgc cagcaagcca gggtttggtt 240
ggtgcgggtg ctgctcaacc ctgtgggtgt ccgcgctcct gggggcaggc ttctattgcg 300
gctactgggc tacgggggtg acccggggag ctgaaggaga gccccttgg ccaggagtgg 360
caatggtgaa cctgggggga attaccttc 389

<210> 389

<211> 390
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(390)
<223> n = A,T,C or G

<400> 389
ggcacgaggg tttaatgagc cctgtccagg gcccttcagt ggggagcctc cttcttcttg 60
cccttctcct tcttgccctt ctccttcttc ttcactttgg gcttcttggc cttgcccggg 120
atgctctcgt gctgcttgga gccagcagcg tgggactgtg gggccgaggg cagggatggg 180
agagaagaga tggttctggg ctggaagcga gacaggggga ccactccccg caccctcccc 240
gccagcccca gtgcggggac gcctctctgg ggtgcagggc acgtgcttgg ggacgctggc 300
gagagcccct taccttcaca tccgtgtccg aatcgctgga gctgctgctg gagtcggaag 360
agctgtggtg tccttgctgg atggaggtgn 390

<210> 390
<211> 389
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(389)
<223> n = A,T,C or G

<400> 390
ggcacgagga gagagagaac tagtctcgag agcagnnntt ttttttttt ttttttttt 60
ttttttttt tccccccccc aaacttttt ttggggccta aaaaggggc cccggggaaa 120
attttttttt cccccaattt tgggcccccc gaaaaaaaaa aaattttgaa aatgaacagg 180
gggaaccccc ccgggttttc aaggggtccc ccccttcaa aggcccgcgg gggtgggcct 240
aataaaaaaa gggcgggccc tttcggtgaa cttttcaagc ccttcccccc ccccgggggg 300
gcaataaaaa aaaacctctc ccaccccaag gggggggggg ggatttttt tttttgggtt 360
ccccaagagc ctttgaagag gggctgccc 389

<210> 391
<211> 389
<212> DNA
<213> Homo sapien

<400> 391
cggcacgagc gggaggtaag gcatggccag gccggctggg ctgcagagcg ccggcacggg 60
tccacgcctc gggtgacggg cttccaggat gttcgggcgc ggggcggccc atccgcatcc 120
cccaacaccc ccacctccgg cctgagcctc ccagcgccgt gggaaccacc tcctgtccgc 180
tgttgctggc ccgcatccta gcagcggcct gacgccctcc ccaccctggc atgccccctt 240
gacctgggac gatgagcata cgactgggga gcccagtgga ggcgccctcc cgaagcgcca 300
ctggccatgc tgaccaccca gccctccggc tgctgatgtc atgagaacac cactgtgccc 360
atgccccag gccacagcga ctcatgtgg 389

<210> 392
<211> 385
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(385)
<223> n = A,T,C or G

<400> 392
ggcacgaggt gacaagggat gaaaccaggg gttgggcagg gcaagactct gataccctct 60
ctgacctcgg tcctcttaag gctgttggcc ctgtgcccag gaaaggaata actagaagtg 120
ctggtggaag aaggggact ttccaaagca taagctaact tttgttccca aaccttcccc 180
ctgctgcttg aggcagagga aatgtgcaaa ggggcccggg aaagaggccc gaccggatgg 240
ggcttcggcg ccaggctgac ttggagggcc agggggtctc tgaacaaggg gcttctgcta 300
gagcagaggg gcattaggga gacccacccc tagcctaggg gaaatggagc cttcaaccca 360
ctgtcctgat aagcaaaggc taacn 385

<210> 393
<211> 385
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(385)
<223> n = A,T,C or G

<400> 393
ggcacgagta atgacccaat tacaagttct aaatgcctgt aagattggag gttattggag 60
gattcttgaa tttgattatg agatgaaact tctgaatcat gtaactcagc ttgtggattc 120
tgaatcatgg tcttttggta aagttccttt gaacacatgc cttcaggaac tcggaccatt 180
ggagccagag gaaatgatag aacactgtct taaatgttat gggaagaaat atgtagatga 240
aggcgaagtt tattttgagt tggatgctga taaaatatgt agagcagcag cacgaatgct 300
acttcagaat gcggtgaaat tcaatctcgc tgagtttcaa gaagtgtggc agcagagtgt 360
tcctgaagga atggtaacta gtctn 385

<210> 394
<211> 389
<212> DNA
<213> Homo sapien

<400> 394
ggcacgagca gctctggaca gaggttactc tctggctcac tggataggaa ggtgaaagta 60
tacagcacaa cttcctacaa agtagtccac agttttgatt atgcagcttc aattttgagt 120
cttgcccttg cacatgaaga tgagacaata gttgtaggaa tgaccaatgg aatactgagt 180
gttaaacatc ggaaatctga agcaaagaag gaatcacttc ccagaagaag aaggcctgca 240
tatcgaacct ttattaaagg aaaaaattac atgaagcaac gggatgacat tttgattaac 300
aggccagcaa agaagcacct agaattgtat gacagggatc tgaaacattt tcggatctct 360
aaggcactcg atagagttct tgatcccac 389

<210> 395
<211> 388
<212> DNA
<213> Homo sapien

<400> 395
atcgattcga attcggcacg agatccaagc catctgcatc gcagcctttt accggaagga 60
gtggccgctc ctggtggtgg tgccatcctc cgtgcgcttc acctgggagc aggccttcct 120
tcggtggctg ccatctctga gcccagattg catcaacgtc gaggtgactg ggaaggaccg 180
cctgacagct ggcctgatca acattgtcag ctttgacctt cttagcaagt tggaaaaaca 240
gctaacaacc ccttttaaag ttgtcatcat tgatgccaag agggtgatcc tgttgtcggg 300
cacaccagcc atgtcccggc ccgcagagct ctacacgcag atcatcgcag tcaagccaac
360tttcttcccc cagtttcatg cctttgga 388

<210> 396
<211> 385
<212> DNA
<213> Homo sapien

<400> 396
ctaattcggc acgagatcca agccatctgc atcgcagcct ttaccggaa ggagtggccg 60
ctcctggtgg tggtgccatc ctccgtgcgc ttcacctggg agcaggcctt ccttcggtgg 120
ctgccatctc tgagcccaga ttgcatcaac gtcgtggtga ctgggaagga ccgcctgaca 180
gctggcctga tcaacattgt cagctttgac cttcttagca agttggaaaa acagctaaaa 240
acccctttta aagttgtcat cattgttgcc aagagggtga tcctgttgtc gggcacacca 300
gccatgtccc ggcccgcaga gctctacacg cagatcatcg cagtcaagcc aactttcttc 360
ccccagtttc atgcctttgg acttc 385

<210> 397
<211> 388
<212> DNA
<213> Homo sapien

<400> 397
gaattcggca cgaggctgta ctgcccttca ggacatgctt cttgaagaag aaaagaaaca 60
gatggaacat gtacagagag ttctacagag attgaaactg gaaaaggaca actggctttt 120
agcaaaatct accaaaaatg agaccatcac aaaatttcta cagctgtgta tatttcctcg 180
atgtattttt tcagcaattg atgctgttta ctgtgctcgt tttgttgaat tggtacatca 240
acagaaaact ccaaattttt ccacacttct ttgctatgat cgagttttct ctgacataat 300
ttacacagtt gcaagctgta ctgaaaatga agccagtcga tacggaaggt ttctttgctg 360
catgttagag actgtgacca aggtgcaa 388

<210> 398
<211> 380
<212> DNA
<213> Homo sapien

<400> 398
tacggctgcg agaagacgac agaagggcat caaggttcat ccatgttttt gcatatggca 60
aggtttcctt tttaagtctg aataatattc cattttctac atataccaca tttactttat 120

ccctttttct gttagtggac atttaacttg ttctcacagc ttggctattg caaataatgc 180
tgcaatgaat atctcataag tctcatatat gtccatacaa gatcatgaaa atggacatgt 240
ctctgggtat tttgaattgg tgggacaatt ttgcttaagg gtaggcatag tgggtggctc 300
tacatttgag aggtctaatt cccaatccca tatataattc ctttcttttt atttaatttt 360
ttgagatggg gttctctgtc 380

<210> 399
<211> 384
<212> DNA
<213> Homo sapien

<400> 399
gaattcggca cgaggtggcg cgtgcctgta gtctcagcct cccaaagtgc tgctgggatt 60
acaggcgtga gccaccactc ccggctaagt tagtatttct ttaatcttaa tgctttaaac 120
taagccactt ggatcctgaa taatttaaat cttgagctac attggtaagt aataaattat 180
ttaaggccag gaattcctgt agttttcatg gagtctgtag ctttattaaa aaataaatca 240
ctgccaggct tcattcttcc atatgatcct ctaaaaatgg acacttcctc tgaatgcctg 300
atctcatggc acctggtcca ctagaaatgg tcagggattc atttgggctc tttgatacat 360
cagccctcat attactttct tagg 384

<210> 400
<211> 382
<212> DNA
<213> Homo sapien

<400> 400
cgcccatgta gggtttccct ttcctgattt gtgaaataag actgtcccag taggcaccca 60
ctgatgcctc ctcttcctct tctaaatctc agggttcgtc attgtgccaa tgcccgatgt 120
tttcacccct ccgtcttaaa gcattgttgc aatttcatca cctagatgac ataacagcct 180
tacaaaagga cagggaggag tgtctgttcc tactctcaca tagcggagga aagttagagc 240
ctctcagtct ctgtttatga ggactcatta atctcaaata attgatgcat ttttcataca 300
ttagggtctc tgtccatgtg tcttcctgat attgttatag aaatggcttc aggctgctgg 360
taacagatgc tgcggaaaaa ga 382

<210> 401
<211> 384
<212> DNA
<213> Homo sapien

<400> 401
cggcacgagg agcccttgag cgttgggaga tggggtggga aggaggtgag cccctgcaga 60
gagttgggta gtgtccttca ggaatgaaag gaggggcaaa ggagtcacca gaggtcctgc 120
atttccatca gggtttccac agtcatcagg gcttctctct tgagttgctg ataggagatg 180
tgagttatgc ccagagatgt cttatcgtga ggaaaaagaa acttcctttt gttcacattc 240
aggactctca gtgccatatg aaagaacaaa aggcagtatc ggcccgaaca gggtacattg 300
attctaaaaa tacagggccc cattaaacac tatcttagtg tgaggatgtt tgagaggtgc 360
tgcgacaaag aagcattctt catg 384

<210> 402
<211> 382
<212> DNA

<213> Homo sapien

<400> 402
ggcacgagag tagagacggg gtttcgcagt gttagccagg aaggtctcaa tctcctgacc 60
tcctgatccg cccgcctcgg cctcccaaag tgctgggatt acaggcgtga gccaccgcgc 120
ccagttgtgc atttctggtt tctaagaatc aaaccacttg gctgttttta ggagttactt 180
cccatgttat aaagctgagg aagctttttt ttttttttt tgaaaaaaag tttttgcccc 240
ccgggggggg gggcgggggg gcattttaac ctccgggttt aaagcatttt tccggcctaa 300
ccctttggag aaccaaaaat aacgggggg ccccaacccg gggggttttt tttttggttt 360
tttaagaaaa aaggggttc cc 382

<210> 403
<211> 383
<212> DNA
<213> Homo sapien

<400> 403
cgttgctgtc ggtagtttct tctcgagcca atgcatgtat tatagcagca ggtgtctttg 60
tgctttctca tcatagtaac gtactacttg taaatacatt tttctatttt ctatttttt 120
gtatttttt gacattttgt ttcattggtg tgctgtatat tttccatgcc ctcactcctt 180
taagaaaaaa aaaaaggaaa aaagcaccac aatcctgtcc ttgctgttgg gattatagcc 240
ttggtttacc tgcggggaca accgggtgtt ggggacacat gtcaaatgcc cctctgagat 300
gggccctaaa ttccagtaac tggggaaaga accaactgct gtgtcctgag agcctggccc 360
tgtgctgtga tctctgctgc aaa 383

<210> 404
<211> 384
<212> DNA
<213> Homo sapien

<400> 404
gaaattttgc ctttcttgga ggtttttgtt ctgatgtaat ggtgaaaggt aattctatca 60
tctctgcatg acacagctat ttttgttgct tcagcaagat ttatcaaagc aagtggtttt 120
tgaccattct ttgtctccaa gggagagaca attgtggcag catcccatcc tctgagctgg 180
tttttgtttt tgtttttttgg agaataagtg gttttgatta caggtgtgaa cttgtggtat 240
tcacagatgt tggtggcctg tcaggactat tttaggagac ctcatttatc ctttgaccaa 300
gaaatatcct gactggggcc tgacttgaat atatagctcc ctgtgggggt gatgccaagg 360
ctcccttcca gtaataactg ctca 384

<210> 405
<211> 381
<212> DNA
<213> Homo sapien

<400> 405
cgttgctgtc gattttaaat aaatttcttt attgaaagta tgtctcttga ttggaaagtt 60
ttctgaaaca aagagactta ctaatttttt ttgttgttct atttgattct tgcatctttg 120
tcccacattt tctctctttg tttctctctg cggctgtttt atttttactt tgatatgctt 180
ttacttcttt cttatgttgg tttctgtatc tatacaggca tattctttgt ggtacgtggg 240
ggattacata aaacctttaa gagatacaat gtatttcagt ctagttaaaa atgaacttt 300
gttgcatgca aaaatttttt ctcattacat atgttctcag atttgttctt gatgttgcta 360

attatatttt tatatgtata t 381

<210> 406
<211> 381
<212> DNA
<213> Homo sapien

<400> 406
cgttgctgtc ggccctgaag ccatagagca accaagtggc cagctgaggg tgccagccca 60
gccctcccgc caggccctcg ccggctcacc acgctgcgct gtgctgcttc gtgagagtga 120
gcgcatctgt gattgctgag gcctggcgct catggggttg cacccagctt ctgagttcag 180
gtagttagac gatttccagc gtcctttcag aggggctctc agaactgctt ttgtttgtag 240
aattgatttt ggaaaagtct taaaatattc atgaagtttt tttttaaaaa agctggtatt 300
aaaccttgaa aaagttaact gaaatttgga agggtgattt ctgaattagc tagggaggaa 360
taatgaaaaa atattataaa c 381

<210> 407
<211> 382
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(382)
<223> n = A,T,C or G

<400> 407
ggcacgaggt gggggtgtg ctggtggctg ccttactggt cttcactgtg gccttgctgg 60
ttcggggccg gggggccgga aatggccgcc tccccctcaa gctcagccac gtccagtccc 120
agaccaatgg aggccccagc cccacaccca aggcccaccc gccgcggagc cccccgcccc 180
ggccgcagcg cagctgctct ctggacctgg gagatgccgg gtgctacggt tatgccaggc 240
gcctgggagg agcttgggcc cgacggagcc actctgtgca tgggggggctg ctcggngcag 300
ggtgccgggg ggtaggaggc agcgccgagc ggctggaaga gagtgtggtg tgatggacgg 360
gcagcttcct gtgtgctcca ag 382

<210> 408
<211> 382
<212> DNA
<213> Homo sapien

<400> 408
aaaaacaatt agctaactgg tgattgtgtg aaggatgaac tggattaggc caaggtgatc 60
aagaagaaga ttggtagatt aacgtggtca ggaggtcatg agaacttcaa atgaggcagt 120
gaccatcagg aaaaaatttg taagaagaat ggtcaggacc aaatgagttt ggtttggtcc 180
tgctgagttt gaggcatatg gtggaaactg cccagctccc tccttcagaa atgagacact
240ctttccctag ctggcctggt ataggctgtt aatggccacc agctgtgttc ctttatgggg 300
ctcgcccttg gctgaaagga gctacaagga gttcatgggt gactttggcc agaggagttg 360
atgaggagag gaaggtctgg gg 382

<210> 409
<211> 383

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G

<400> 409
cgaattcggc acgaggagag ggggacatgt gagcccctct tcatgttgat gttccattgg 60
ggaactgccc ctcccccatt ctgggtccag tgtcccatcc attgcagagg ggcctgaagg 120
tgctgaagga gctcagagcc agagcaaaaa ggggggacct ggcctcacag agaggaagga 180
caccttttgg ttttctgact gtctggcgaa ggagatcaag atgattgcac atgcaaacaa 240
gttcgtcagt gccaacaatt gcaactgagt attgggtgct caagtggaca ggggacttga 300
ngaagtgggg aagccgttgg gaagtgcttg tgatgcaaaa ccgaaggggg ccaacccgac 360
cgagagctgg gttctcaacc ttt 383

<210> 410
<211> 379
<212> DNA
<213> Homo sapien

<400> 410
tcgattcgaa ttcggcacga gagagagaga gagagagaga gagagagaga gagagagaga 60
gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 120
gagagagagt gtatagagcg acagagcgcc ctccttctcg gggagagaga aaaaaaaccc 180
ccccactctc tctgtgtgtg tgcacacacc cgtgggagcc ccccccccag agatgtgtgc 240
acatagacag cgcgagctct ctctctctct cgggggggag agaaaaaaac ctctctatat 300
tcccgcggga gtgggtgagt tagagagata ttttttttctt agagagccgc gcggtgttca 360
cgcgcggtct ccttttagg 379

<210> 411
<211> 381
<212> DNA
<213> Homo sapien

<400> 411
ggcacgaggg ggagaagggt gagactgggg gggcacgtga acccaaagga gagaaaggcc 60
agccccagga gctgggccgc aggttcgccc tgacagcaaa catctttaag aagttcttgc 120
gtagtgtgcg gcctgaccgt gaccggctgc tgaaggagaa gccaggctgg gtgacaccca 180
tggtccctga gtcccgaacc ggccgctcac agaaggtcaa gaagcggagc ctttccaagg 240
gctctggaca tttccccttc ccaggcaccg gggagcacag gcgaggggag aatcccccca 300
caagctgccc caaggccctg gagcactcac cctcaggatt tgatattaac acagctgttt 360
gggtctgaat cctagagaca g 381

<210> 412
<211> 379
<212> DNA
<213> Homo sapien

<220>

<221> misc_feature
<222> (1)...(379)
<223> n = A,T,C or G

<400> 412
atcgattcga attcggcacg agcagaactg gcggtttttc ccagctcctt gcccagacca 60
atacttccat gctgtcttca agccctgctt cctgcacatc tcccagccca gatggggaga 120
acccatgtaa gaaggtccac tgggcttctg ggaggagaag gacatcatcc acagactcag 180
agtccaagtc ccacccggac tcctccaaga tacccaggtc ccggagaccc agccgcctga 240
cagtgaagta tgacccgggc cagctccagc gctggctgga gatggagcca atggtggatg 300
ctcaagttca ggagctcttn caggatcaag cacccnctct gagcctgaga ttgacctgga 360
agctctcatg gatctatcc 379

<210> 413
<211> 382
<212> DNA
<213> Homo sapien

<400> 413
ggcacgaggc tttccgcacc ttaaccccag tgagcgtgaa aaagaaagtt aataaactat 60
aatacatgga agcaagaaag acactgcctc ctctgaggga ccttttccca agcatgtaaa 120
caaggggccc cacagccctg gctgcaggca tcatgaccca tcttctacca ggcagatctt 180
tattacctga gcccctaagg cagtgtctcc tcagctgggc tgcttccact gagacccccg 240
acccatcccc tttccagtac acacacctga tgcatgtaag aatggtagag gggcttttct 300
cagcattgaa ttaataattc agtggctcct cgggagtcga atgggcattt gggacaccag 360
aaggaaaaga aatcatcata gt 382

<210> 414
<211> 382
<212> DNA
<213> Homo sapien

<400> 414
ggcacgagcc attttcttcc atcagctaaa ctttacagat aatagtgttt ccacctcata 60
tccttttctt tgccccttct caaatgagtc agaatagtca tgttcccctt gagggatgtc 120
tgacttgaat gtagaattgt tctttcctct cttgaatcag ctcactagct ccctgatggt 180
ctgggttcaa ggaaatggtt aatgaggtag aggccactta tacaagtcct tgggattgta 240
ccattgctgt ccacaaactt agtatcaaca acacatgctg tgccctgtga acactctcct 300
ctcacctatt tccagggttg gtcttcctga gaaggggatg gatgaggtaa cacacagttt 360
gggatacgta tctgttgaat ga 382

<210> 415
<211> 384
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(384)
<223> n = A,T,C or G

<400> 415
ggcacgagga tggctggtga ggagcttaac agaggaacct caagaagatt ctgaaaatcc 60
tacccccacc ccccaccagc cgcacagatt gtactaccgc gagaggcatc cctggcgctg 120
tctcccactg gacagaggag gctggccatg gggcccaggg gtcaggccca gcttttgagc 180
agaatacaac gcattgggct ttagctggtt ttctcatttg ttggngggtg gggggggggc 240
aggggtaagg cgggagagcg atgttggaat tttggtttcc aataagaaac cacaaggttg 300
tccaaaattc atttcattgg ggctanaaga gacaattgga gatttccgat ccttttcccc 360
ggcccgatta aaaagccccc cctt 384

<210> 416
<211> 383
<212> DNA
<213> Homo sapien

<400> 416
ggcacgagag ccgggaggcg aacttgggac ccgctggcct cgctcggcgc gcgcctccct 60
ccccgcatgc agcccgccga gcgctcgcgg gtccccagga tcgacccgta cggattcgag 120
cggtctgagg actttgacga cgccgcctac gagaagttct tcttcagcta cctggtcacg 180
ctcacccgct gggcgatcaa atggccccgg ctgctgcacg gcgggggctg ccccacgagc 240
cggacagaca atatccacca ggagccctta ggaagacagc ttcctctttc tccctggaaa 300
gactatattc aacacactta gtgctgttgg attcctattt cattctccat ctcgagaata 360
gacgtctgca tggaagcatc ttt 383

<210> 417
<211> 383
<212> DNA
<213> Homo sapien

<400> 417
ggcacgagga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 60
gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagataaa 120
aacacagcgc cccgctctct ctctttttt tttctctcca cacacgtgag gggggtgag 180
acacaccccc acaaaagata tctctctgtg tctctctcta tactctctct ctctctctca 240
cagagagctc tctctgtggt gtgtcaaaaa cacacacggg tgtctctctt tttgcgcccc 300
agagagacac acattctctc acacgcgcgc gctctgtgtg tatatatgtc ccccccgcg 360
cgcccccaga gagtagatct ctg 383

<210> 418
<211> 383
<212> DNA
<213> Homo sapien

<400> 418
ggcacgagag aagctgctcc tcgagacaaa ctgagcaacc cactggatat atgctatgac 60
gtgctctgtg aaaatgccta ctttcagaaa tttcagctag aaagggttaa tctgcaggaa 120
gtgaaacggt caacttatga tcatacaagg aaatgtacag accagctact gctcttgggt 180
caaacagaca gagctgtgca gttgctgttg gaaacaagtg cagataacca gcattattac 240
tgtgattcac tgaaagcctg tttagtcact actgtcacct cgtcaggccc ctctcagagc 300
accattaagt tggtggcaac gaatatgatt gccaatggca aattggcaga gggcgttcag 360
ttgctctgcc tgatagataa ggc 383

<210> 419
<211> 383
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G

<400> 419
ggcaccagag actttacaga gatagtgggg tgttttaagg caggggggagg aactgcacag 60
cccagacctg ggagggaggg atccagggaa ggagagatcc tgggaattgc aatagcagca 120
ggcagaggct gttggttcct attgtttcct ggctgctatg aatgacttgg ctttaatgac 180
tcccaaggtt ctggatctct ccagttcaaa tttcaaatta ttgacaaaac aatctgattg 240
gccagcttag tcctagatat gcnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
nnnnnnnnnn gnnnnnnnnn ncnnnnnnnc nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nntnnnncnn nnnnncnnnn ntg 383

<210> 420
<211> 379
<212> DNA
<213> Homo sapien

<400> 420
ggcacgagag gagctgggag aactggagaa aactgctcta atctcacttg actccagcta 60
ggagctgatg ctgcatcgta ataacatttg cagagcgctt tcacaggcgc tggagtgact 120
tgtctgagat tcctccagaa ctgagccctt tgttggaacc ataccccagc ccatggtccc 180
atgactaggt ggatagtact ccttgtacct cctgcaaccc agaaccctgg ctgaccactt 240
tgaaggagga tgctccagca ggtcaatggc cacaatccgg ggtctgatgg ccaagccagg 300
gagtacctca gagaagacct gcaggagttc ctgggtgggg aggtcctgct gtacaaactg 360
gatgacctca ccagggtga 379

<210> 421
<211> 384
<212> DNA
<213> Homo sapien

<400> 421
ggcacgagga ggcttgaatc tccaggaaat agagtctgtg ggcagccatt gactccgagt 60
caatgagaac aaggtgtgct gtttcctctg tgctgtttct tccctgcccc actccccgcc 120
cctttgtcct atggtgccca ggctgcctgc actgcccaga taccacaggc cttgccaggg 180
acctcctgag aggtttctga ggcttgcagc cagtggtccc gttagtctgc acgtctccga 240
gttgccctcc cagaggagaa agcatatgct gctgggaccg actgcagctc ctcatggatg 300
cacctgccac cagaaaattg ttgttcagtc tgggattgct ttctcttccc aaagcacaat 360
ctcacatgca gtcatgagcc cagt 384

<210> 422
<211> 381
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(381)
<223> n = A,T,C or G

<400> 422
ggcacgaggt aggaccaggt gtgcaaactt cacaggggtc tctgtcccca accaccccaa 60
gtgctagaaa aaagagttca ataattggga tggctcccat gtagcagctg gtcctgaatg 120
ggtggctcaa tacatctgcc ctctgccctg atcctggatc ctcaagggtc caatcctttg 180
agaaaaggaa ccaggagagc gatgggtctg aagcgctggt gttgtagaaa tcctcatcac 240
aaagaggtga ctgcgttcca gttgctgcca ggcctggcca tattcccaca aagtgcccat 300
gtctacagga tgctcagccc ttgccttcct ctgtcccgcc accacccttc tcagctagaa 360
nggtgctgct atatttgaag t 381

<210> 423
<211> 381
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(381)
<223> n = A,T,C or G

<400> 423
ggcacgagcg gtgacacccc acaaggacac ggcctcagcg gttccatttt cccccgaaca 60
ttcagccact tccctggagc aatttttcct gccccgctgg ggaccagcga gtggcctagt 120
tgcggctgtg gccctggaca gcggcgtgag gcccaaacct ctaggtaggg cccagttgga 180
tcctgatttt tcattgagcc aggcagtctc agcccgagtt gaaaggcctc cttagccttg 240
gaactaacgt ctcttcaccc tgacttctgg gcaaggggag atcccaggaa aaggtttacc 300
tgcaggtttt ccaaggccaa agccccagca aggacccccc ctccaacctt tgttataggg 360
ctacatgggg cctgggctca n 381

<210> 424
<211> 379
<212> DNA
<213> Homo sapien

<400> 424
ggcacgagcc agccttttcc ccagcctgtg gacgcctggc ccaccctgag tgtgagtcac 60
agagaccctg gccggtgcac cctccacccc caggcttcct cagggctgtg ggctgtggcg 120
ggactatgga agggagcagg gagagaccct gccaccaccc ggagtggcta cgcgagtgtg 180
gactgcaggc tcctcctggg gaagctgggc aggctcgctt tctggtcagg ggccattcca 240
gggggcatcc cttggttcgg gacccccctgc agtgaggggc ctgtgaaccc caccagggca 300
gcagcccctt ccagggaccc cctcttttct gtagggcggc gccggcccac ctggagccta 360
agatcccctt ttcattacg 379

<210> 425
<211> 380
<212> DNA

<213> Homo sapien

<400> 425
ggcacgaggc tcaatgcact ggaccttctc gtccagcctg gatgcctcta tcatttctct 60
ttgtctttct ctggcctcca taccgttctg aagagctcac cttcccctag ggtcctcctg 120
ccctgctctt cccaagtgac ccagccctca cctgtagggc agccaaggct ggtggtgcag 180
ctgcccccag tgaaggtcat tgggcatcgc actgggcagt gcagaggtcc aggctgagga 240
gttgagtggc gcgcccatcc tggcgcctgt gcagagaacg ggaggggggc ccctggcttg 300
gatcctagaa tcggtgaagt ctgagggccc ccctgcagtc tcagcaggac ctgctctatc 360
aaggggctta ctccttcctt 380

<210> 426
<211> 379
<212> DNA
<213> Homo sapien

<400> 426
ggcacgagga ctggcctgtc cctcaggccc atgctgacac cggggagact ggagccccat 60
cagcagacag ccaggctgat gttatacctg ctgtcatggg cagacgtagc ctctcgcctc 120
aggaagatgc cctcacaggc tccagggttt ggaacaactc gtctactgtg aatgctgtgc 180
ctgtggcccc acctgtgtgt gatgtcgcca gaacccagcc gactccttca gagaaagctg 240
caggagtcct ggaggggggc cttgggccac atgttgtcac taacctttat ctctatccaa 300
tcaaatcctg tgctgcattt gaggtgacca ggtggcctgt aggaaaccaa gggctgctat 360
atgaccggag ctggatggt 379

<210> 427
<211> 382
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(382)
<223> n = A,T,C or G

<400> 427
ggcacgagga atgatgtctg tatataatca tgtcttggag gaggtagaat cactcaatcg 60
gaaatatacc cctgtttctt atatgcacac agcatgcctc tgcaatgcca tcattgcttt 120
gctgaaagtt ccccttttctt tccagagata ttttttccag aaactacagt ctaccagcat 180
caagcttgct ctgtcaccat cgccccggaa tcctgcagag cccattgctg tccagaataa 240
ccagcagctg gcgctaaagg tagagggagt ggttcagcac ggatctaaac caggactctt 300
ccgcanaatt cagtctgtct gtctgaatgt ttcttccaca ctgcagagta natctggacc 360
agactacaag atacccattg ac 382

<210> 428
<211> 380
<212> DNA
<213> Homo sapien

<400> 428
ggcacgaggg acggctcccg agtcgcccac ctgacggtac cgagagggcg gcgcccctcc 60

gagcagagcc gtcccggcca ctcccctggg atctgacttg gctcttgcgg tcgcgggcac 120
cgtgaagccc tggggtgtgc gtggctcctc ctggtaggcg ccctttcccg gcgtccggct 180
tggggtggtg gtggcgttga ctccagcccc gcctctccct ggagaggagg gctccactcg 240
ctccttcggc ctcctccccc ggggccgcag cgactcgggc cggcttcctg cttccctgcc 300
tgccggcggt cccgctggct aaaagaagtc ttcactttcc aggagagccc aaagcgtgtc 360
tggccctagg tgggaaaaga 380

<210> 429
<211> 384
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(384)
<223> n = A,T,C or G

<400> 429
cgttgctgtc gccccctcc ctggtgcctc ccagcgaagg gggaccgccg tttgcacttt 60
catcgcctac cccgacgcgg ggcccagctg cgggacgtgc atcacggctg ggcccccaga 120
ggagagagga ggccgacgcc agcggtcccc gctcggaacg gggagggttt tcgggggtt 180
cggcgtcgca ccttggggcc ccccgcagcc gtgtaggggg cctcccatct gctaagcgtt 240
tttccgttga gccgctccaa aaacactaag ctggggacgc caggtgcccc cccacctcgc 300
ccggctcaca cccccaaagg gagggaccca cattgcacac actgtaagaa atgcactttc 360
cgaggaaggg gaatgggagc ccgn 384

<210> 430
<211> 384
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(384)
<223> n = A,T,C or G

<400> 430
tggactacgg ttgcgacatg acgacagacg gggcttaatc tgatcatccc tgaggctgaa 60
gagcagggcc aggttgctga ccttaggtca cttaaggaga tattgatgga ttacatccca 120
taggtgcctg tgtgagccgg attcccaaca cattcttgct gtggttgact cggttattga 180
ctttacttcg tttgtttgac ggtttttatg ggactgtttc tagccctgat tcacgtgtgt 240
atgaaatgaa gattggctcc atcatcttcc aggtggcttc tggagatatc acgaaagaag 300
aggcagatgt gattgtaaat tcaacatcaa actcattcaa tctcaaagca ggggtctcca 360
aagcaatttt agaatgtgct ggan 384

<210> 431
<211> 383
<212> DNA
<213> Homo sapien

<400> 431

ggcacgaggc cctcctgatc cccagctgtc ctggggccct gaccgacctg gccagcagtg 60
gctccctggc ccgtatcctg cagcacttcc actctgagag caaacccatc tgcgccgtcg 120
gccacggtgt cgctgccctg tgctgtgcca ccaacgagga cagatcctgg gtgttcgaca 180
gctacagcct gacagggccc tctgtgtgtg agctcgtcag ggcccccggc ttcgcccgcc 240
tgccgctcgt ggtggaggac ttcgtgaagg attcgggcgc ctgcttcagt gcaagcgagc 300
ctgacgctgt ccacgtcgtg ctggaccgcc acctggtcac aggccagaat gccagctcca 360
ccgtcccggc cgtgcagaac ctg 383

<210> 432
<211> 382
<212> DNA
<213> Homo sapien

<400> 432
cgttgctgtc ggtgatcggc cgctccctgt tcaaaaagga aaccaacatc cagctcttcg 60
tggggctcaa ggtgcacttg tccactgggg aactgggcat catcgacagt gccttcggcc 120
agagcggcaa gttcaagatc cacatcccag gtggcctcag ccccgagtcc aagaagatcc 180
tgacacccgc cctcaagaag cgggcccggg ctggccgtgg ggaggccacc aggcaggagg 240
agagcgccga gcggagcgag ccctcacagc atgtggtgct cagcctgact ttcaagcgtt 300
atgtcttcga cacccacaag cgcatggttc agtctccctg agtgtccggt gacctccccc 360
agggcctcct tgcccagccc ag 382

<210> 433
<211> 383
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G

<400> 433
ggcacgaggg tacatggaaa ctgtgggaca cagatgtgga atacaagaag aagcaggacc 60
cctacttgct gaagacaggc cgctttgaag aggcggcggg tgccgcgccg tgccgcctgg 120
ccctctcccc caacgcccag gtcttggcct tggccagtgg cagtagtatt catctctaca 180
atacccggcg gggcgagaag gaggagtgct ttgagcgggt ccatggcgag tgtatcgcca 240
acttgtcctt tgacatcact ggccgctttc tggcctcctg tggggaccgg gcggtgcggc 300
tgtttcacaa cactcctggc caccgagcca tggtggagga gatgcagggc cacctgaagc 360
gggcctccaa cgagagcacc cgn 383

<210> 434
<211> 382
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(382)
<223> n = A,T,C or G

<400> 434
ggcacgagag aaaagaggcc ttcctcagtt ggggaccctg ggagcaggca accattatgc 60
agaaatccag gttgtggatg agattttcaa tgagtatgct gctaaaaaaa tgggcatcga 120
ccataaggga caggtgtgtg tgatgatcca cagtggaagc agaggcttgg gccaccaagt 180
agccacagat gcgctggtag ctatggagaa ggccatgaag agagacaaga ttatagtcaa 240
tgatcggcag ttggcttgtg ctcgaatcgc ttccccagag ggtcaagact atctgaaggg 300
aatggcagct gctgggaact atgcctgggt caaccgctct tccatgacct tcttaacccg 360
tcaggctttc gccaaggtct tn 382

<210> 435
<211> 373
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(373)
<223> n = A,T,C or G

<400> 435
tacggctgcg agaagacgac agaaggggca gccataagga cagatgaaaa ccaggagaga 60
ggcataggtc agaagccaaa ggaagccatg gacaatgatg gcagccaaca caactaactc 120
atggactaag aagaggaaag tagcaactac gtcattagaa atcttaggtc agtggttgga 180
aaactgaatg gaaatcaacg tattatagaa gctatggggt agatgtgatt tttcgggtag 240
atcagctgga aaagaaggta tagggagaaa gagaaatcac tagaagtggt acagagcgaa 300
aataaagtac ttttaaaagt tggccttana aatagtgaac acatactgct tcctatgtgt 360
caggaactct ttn 373

<210> 436
<211> 374
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(374)
<223> n = A,T,C or G

<400> 436
ggcacgaggg aggggagagg gaagaaagta aactgaccat aaaagaaacc aattcaaatg 60
gaaaacagcg actaaccttg acacaggaat gaatcatgaa ggctggatgg gtagactggg 120
aggggtgaaa agaatgtata ttctttgttt taagctatat ataaaattgt cagatttagc 180
caaagcctag ttggaatggg agttggctaa attacatgaa atgtaacaca gacattgcca 240
aaactacttc acagggttgt tctgaacaac gagacacaaa ttgtgaagat gttccccaaa 300
ttgcaaaatg ctacactaat gtaagacaga tagtttacac aatatttcag gttcaatctt 360
tcctttcact ctgn 374

<210> 437
<211> 374
<212> DNA
<213> Homo sapien

<400> 437
ctggtttgaa gctctcctgt ttgacgaaag tatgtctcag gaaggtgcgg tcccagctag 60
cgcggttccc ctggaagaat taagtagctg gccagaggag ctatgccgcc gggaactgcc 120
gtccgtcctg ccccgactcc tctcattgtc tcaacattct gaaagttgga ttgagcatat 180
tcaaattttg aaaattattg tagaaatgtt tttacctcat atgaaccacc tgacattgga 240
acagactttc ttttcacaag tgttaccaaa gactgtgaaa ttattcgatg acatgatgta 300
tgaattaacc agtcaagcca gaggactgtc aagccaaaat ttggaaatcc agaccactct 360
aaggaatatt ttag 374

<210> 438
<211> 374
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(374)
<223> n = A,T,C or G

<400> 438
tacggctgcg agaagacgac agaaggggcg cacacctgta gccccagcta cttgggaggc 60
taaggtggga ggatggctta agcccaggag gcagaggctg caggcagctg agatcatgcc 120
actgcactcc agcctgggtg acagagccag atcctgtccc aaaaacaaaa acaaagataa 180
catgatcttg agctgtggaa attattagat tgcatattct attgnacagc ggcacctagg 240
tattatttgg tgggtttgga tttgatgcta tatttattta ctttaaatct gcctcttttt 300
tcctctctga tactaccttt atgagnntat actattaagt ttgtttcctc ttaaaggatc 360
tgacaccggc gcgg 374

<210> 439
<211> 373
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(373)
<223> n = A,T,C or G

<400> 439
tacggctgcg agtaagacta cagaannngg aagctggcag atgaaccatg tttcaaaccc 60
aggtccacct gattccacag ctaggccctg atgtgcaaga gctgcttgca gcaatgattt 120
gaaccttctt gttttctacc aaaaggcttt cctttgtaga ctgtctctaa caggcaaatt 180
aggtaagcac cctgtgggac aggggatgaa aaaagaaaga catacagtat gttgcagaaa 240
acttttaaaa attatatcat aacatattta catctgatat caaccatatt caatgtactt 300
tcatatacat catctcttag tgtcaccaca tatctgtata tggtaatgag cgtaatctgt 360
aattatgctc att 373

<210> 440
<211> 378
<212> DNA

<213> Homo sapien

<400> 440
cgttgctgtc gggaggtttc agtgagccaa gatcacacca ctgcactcca gcctggcaac 60
agagcgagac tccatctcaa aaaaaaaaaa aaaggtagaa aaaaaggggc ccccttaaa 120
ggggaaaaaa aaatccaaaa aatttgggcc ggaggccggt ataaaaaaaa aaagcgtttt 180
tcaaaggcgg tcataggttg gggggaaatt aaacctttaa ttctctcctt ttgggggggaa 240
aaacaaggcc ccatttggag gggatttttt tttaattggg cttttgggtt cgggccagaa 300
aaaaaaccct taggggctac ccaatttttg ggaaaaaagg tttcaggggt aaaaataaaa 360
taaaattata cccccccc 378

<210> 441
<211> 374
<212> DNA
<213> Homo sapien

<400> 441
cgttgctgtc ggttcccctc ttatactttt ccccagccag aagcacctgg taagcctctg 60
catgtcctca gaactagaaa gattagaaag agagagagag aacacatgtg gatgatacca 120
cagtcagcga gaagggactc caagctcatg cctctggggg atggcctcat tgccatctct 180
ggatccagag ggcaaattat tagcagttct attcagaaaa agggctagag agcaggggca 240
agaaatcatg cttgctgttg ctcttgaggg cagatgtatt agtttgctag ggctgtcata 300
agagagtact gcagattggg tgacttaagc gacagaaatt tcttttctta caattctgga 360
ggctacaagt ccag 374

<210> 442
<211> 378
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(378)
<223> n = A,T,C or G

<400> 442
tcggcacgag agagtgagtc cctgggttct aatcttgggc acatctgtgg ccatcgctgg 60
gtccattttt ctgactgtga agtaaggaga gacgtctcag tacccagggc ctcttcagct 120
ctttgtaggt tctgggctgg gttgtggggg actggggagc tgggctctac catccctccc 180
attagtagct ttatccagcc ccgtttttgc tgctttcagg gcctctgcct tcaaggcccc 240
catgggggct gccatccatg gctctgccta cggaggggct taatgcatgt gcctgccctt 300
ccccaagtgt tttaatgaaa ctgaaaaaat agattggtcc cgcagactgg attcagaacc 360
tagctggcca gcaggccn 378

<210> 443
<211> 374
<212> DNA
<213> Homo sapien

<400> 443
gaattcggca cgagggcaga taaagggcag agggagacag ttcccgagcc ccacaggctg 60

gcatgttgcc tgcaagccag gacacctgaa ctgtcctatg agaccgaagc tctggctttc 120
agtcactgaa attcgggggg ttatttgtcc agcagtgaga agtgccgatt cagcagttac 180
atctgcttca tggaatcccg cttgaagcac aaagaggatg aaatgaacaa gtccccgtga 240
gatctcacac atttagatat gtgatgggga aaatggcatt ttgatgggcc atgactgcca 300
cggttcaata atctaggcta actgaggctc acgtcacttt tccttttttt tttttattaa 360
ggggcgcaac cggc 374

<210> 444
<211> 373
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(373)
<223> n = A,T,C or G

<400> 444
tacggctgcg agaagacgac nnagggagtc gaaggctttc ccgatcacaa atctcacctc 60
cactacaact ctctttatac ttttcttgca gaaataataa tagaaataag gaggtggtgg 120
ggtttccaaa aatcttaacc ttcaaccatc tggggaaaag gcaaaaatcc catctaccgc 180
aactctcagt tcgagagtaa aggtttccca acagtgatgt cacaagattg accacattga 240
tcacagacat ttattcagaa cagctgggga tcaaccgttt aacctgtcca cagtgtcgag 300
tgccttccca atggtcagcc acccagtctt tggtctacat tcagccagct cagggcattc 360
agaattatgt ggg 373

<210> 445
<211> 377
<212> DNA
<213> Homo sapien

<400> 445
cgttgctgtc gcttgccttt tcttcctgac actgtcgccc cctcctctca ggagacactg 60
ccgagggcca cctggcagaa ggctgagtta ggcagcaggg ccgggagcgt ctgccctcca 120
cagggtgggg gacagatagg ctaagcgact cccagcttgc taccctcagt ggccagtgtg 180
ggcgtgggcg gtttggggcg cttggctggt ggtggccact gcatccctta atttatttct 240
ctgctgtttc tgttcttgag aaattggggg tgggagtcct acacagaggc tgcccctacc 300
ctcacctgag ttgtacattt ttttgtgatg ggttgtattt tttattattt tattttattt 360
ttttttttt ggattag 377

<210> 446
<211> 378
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(378)
<223> n = A,T,C or G

<400> 446

ggcacgaggc tttccgcacc ttaaccccag tgagcgtgaa aaagaaagtt aataaactat 60
aatacatgga agcaagaaag acactgcctc ctctgaggga ccttttccca agcatgtaaa 120
caaggggccc cacagccctg gctgcaggca tcatgaccca tcttctacca ggcagatctt 180
tattacctga gcccctaagg cagtgtctcc tcagctgggc tgcttgcact gagacccccg 240
acccatcccc tttccagtac acacacctga tgcatgtaag aatggtagag gggcttttct 300
cagcattgaa ttaataattc agtggctcct cgggagtcga atgggcattt gggacaccag 360
aaggaaaaga aatcatcn 378

<210> 447
<211> 374
<212> DNA
<213> Homo sapien

<400> 447
ggcacgagcc gtgtcctgcc tagtagggga tgggggtggc tttccagcac agccagccct 60
caagtttccc agaacagtct ccccacctcc ccccaacact cgacattgtt cctctctggc 120
tgtttttttcc tgttcgggtc ccttcaaggc ccaactgtgc ccagccctct gcagctgggg 180
acactgagtg ggttgggggt gtatgtttgc aaagatagaa tttctcatgg gggagtggcc 240
ctgcttcctt cccctaaaat ggcttggggc ttagggctgg ggacttgccc tccatggagg 300
tcagtgggag ttgcagctgt aaggtggcag ggcctaccca tcttacagag gtgaagacga 360
ggtccctctg cctc 374

<210> 448
<211> 376
<212> DNA
<213> Homo sapien

<400> 448
ggcacgaggc agcttttagc atcctggcaa gagctgtgtc aaagtgacct atccctggac 60
cggcagctta ccggactcta tgatgccttg cttggtgctt ggcacacaca aatccagtgg 120
gctacacagg ttttccagaa gccccacgag gtggtaatgg tgctgctgat tcagaccctg 180
ggggccctca tgccctcgct gccctcctgc ctcagcaacg gcgtggagag ggcagggccc 240
gagcaggagc tcaccaggct gctggagttc tacgacgcca ccgcccactt cgccaagggc 300
ttggagatgg cactgctccc ccacctacat gaacacaatc tggtaaaagt cacggagctt 360
gtggatgctg tgtatg 376

<210> 449
<211> 377
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(377)
<223> n = A,T,C or G

<400> 449
ggcacgagag gtggaggagg ccatgctggc tgtgctgcac acggtgcttc tgcaccgcag 60
cacaggcaag ttccactaca agaaggaggg cacctactcc attggcaccg tgggcaccca 120
ggatgttgac tgtgacttca tcgacttcac ttatgtgcgt gtctcttctg aggaactgga 180
tcgtgccctg cgcaaggttg ttggggagtt caaggatgca ctgcgcaact ctggtggcga 240

tgggctgggg cagatgtcct ttgagttcta ccagaagaag aatctcgctg ccattctcag 300
acgagtgcat ccatgggaag tgtgacggcc aagggcatgt ggaacccttg ccacgagcan 360
gaacgcagaa ttgcggg 377

<210> 450
<211> 374
<212> DNA
<213> Homo sapien

<400> 450
ggcacgaggc ggcctgagca gccagcgtcc ggcatgaagg tctggggtct ggctgctgcc 60
tgcttcttgc tccagcacca tggaatgcct gcgcagttta ccctgcctcc tgccccgcgc 120
gatgagactt ccccggcgga cgctgtgtgc cctggccttg gacgtgacct ctgtgggtcc 180
tcccgttgct gcctgcggcc gccgagccaa cctgattgga aggagccgag cggcgcagct 240
ttgcgggccc gaccggctct gcgtggcagg tgaagtgcac cggtttagaa cctctgacgt 300
ctctcaagcc actttagcca gtgtagcccc agtatttact gtgacaaaat ttgacaaaca 360
gggaaacgtt actt 374

<210> 451
<211> 378
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(378)
<223> n = A,T,C or G

<400> 451
ggcacgagcc caggctgtcc taacatttaa tttacccttt attaaatgtt tttgttttgt 60
tcctcaaaat gataaggctt ctgaggcatt tatctataat ccctataata gctagatatg 120
aacctgttac atggtagttc agtaaacatt tattagctct ccaactcgtt ttaatgcagt 180
agatggaatc ttttatttca ttttaattca gtggatttta accattttac cttgcaaaca 240
caactgagcc ataccacact ctgtaattac aaacagtggc tatgataggg atgggaaata 300
gagtagggaa gaatggtatt cttcctctta ttgccctatc ctgtcatctc tgaggttaat 360
tgatgtcttt gaaatttn 378

<210> 452
<211> 378
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(378)
<223> n = A,T,C or G

<400> 452
ggcacgagcc ggtgtgcctg agcccgtgca ccgcccacag gacccgtggc acattcccgg 60
tgtgcctgag cccgtgcacc gcccacagga cccgtggcct tggcttcagt tggtgcctcc 120
agccgagttg gcctattgcc tgctcatgct gctgcttgca cactgcatga aacagcaggc 180

cagaccagga catccagact ttctccatcg tgaggcctgg gcctgccttt ctgcagccgg 240
aggtctcgcc agccctggac tcctgctttg ggccacagca agacctcggg cgagtggaga 300
ggcggngcca ggccgggccc ttgtgggtgc tgatgctgca tgttgtcccc gacacagcgt 360
cctctccctg gtggacan 378

<210> 453
<211> 375
<212> DNA
<213> Homo sapien

<400> 453
ggcacgagca agctgaagca caagcatggc cttgtggagc gggcgatgga tgactacagt 60
gtgatcggcc gctccctgtt caaaaaggaa accaacatcc agctcttcgt ggggctcaag 120
gtgcacttgt ccactgggga actgggcatc atcgacagtg ccttcggcca gagcggcaag 180
ttcaagatcc acatcccagg tggcctcagc cccgagtcca agaagatcct gacacccgcc 240
ctcaagaagc gggcccgggc tggccgtggg gaggccacca ggcaggagga gagcgccgag 300
cggagcgagc cctcacagca tgtggtgctc agcctgactt tcaagcgtta tgtcttcgac 360
acccacaagc gcatg 375

<210> 454
<211> 374
<212> DNA
<213> Homo sapien

<400> 454
ggcacgaggg gacacaggca gggacgcggg agctgatgcg gctggaccgg ccggggaaac 60
agtattttct ggaaggggcc ccctctgaag cggtccagga tcctgcacat ggcgctgacc 120
ggggcctcag acccctctgc agaggcagag gccaacgggg agaagccctt tctgctgcgg 180
gcattgcaga tcgcgctggt ggtctccctc tactgggtca cctccatctc catggtgttc 240
cttaataagt acctgctgga cagccccctcc ctgcggctgg acaccccccat cttcgtcacc 300
ttctaccagt gcctggtgac cacgctgctg tgcaaaggcc tcagcgctct ggccgcctgc 360
tgccctggtg ccgt 374

<210> 455
<211> 372
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(372)
<223> n = A,T,C or G

<400> 455
tacggctgcg atatgactac ngaannnctg cttggaggag gtagataatt ttattaaatt 60
gtagaatctt aaacagaact acaaggttgc ttttaaaacc agatctcaga tttctttgag 120
ctaacaaatg gtaaaatgta tctttagtat tagagtgaga taaaggtagt tataactttt 180
ttttttttt aactaattta aggtaaacga aggcaccaag gggtacaaat tgtaggaccc 240
cacctcattg aatttttatg tctgcccatg cctataaaac caacccccaa agaaaaaggc 300
ggaaaatttt ctgctcccct gaaaattccc ttgggccttt tcctaataag aacctccaag 360
ggaacccact tt 372

<210> 456
<211> 370
<212> DNA
<213> Homo sapien

<400> 456
ggcacgaggt ggcgcgtgcc tgtagtctca gcctcccaaa gtgccgccgg gattacaggc 60
gtgagccacc atgcctggcc ttcattatct ctttttttaaa aatgaaaaag tttataattt 120
acattcagta aaatcaccct ttttagtgtc tagtctgtga attttgacaa atgcatggtt 180
tttgaaccaa tcgataggac agttctggca cccaggacat tcccctctgg tcctctggtc 240
ctctcttctt cctgcccccct agcaaacaac tggggtttcc tgccctcctt gtcattggcc 300
attaatttaa aaaaaaagaa tttaaaaatc aatttttggg ggccaggcct aagttttgca 360
aaacccggcg 370

<210> 457
<211> 367
<212> DNA
<213> Homo sapien

<400> 457
tacggctgcg agaagacgac agaagggcat caaggttcat ccatgttttt gcatatggca 60
gggtttcctt tttaagtctg aataatattc cattttctac atataccaca tttactttat 120
ccctttttct gttagtggac atttaacttg ttctcacagc tgggctattg caaataatgc 180
tgcaatgaat atctcataag tctcatatat gtccatacaa gatcatgaaa atggacatgt 240
ctctgggtat tttgaattgc ggggacaatt ttgcttaagg gtaggcatag cgggtggctc 300
tacatttgag aggtctaatt cccattccta tatatattac ttttctttct attgatttgt 360
ttgagag 367

<210> 458
<211> 371
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(371)
<223> n = A,T,C or G

<400> 458
gattcgaatt cggcacgagg agacacttcc tgtggtctgt tctaaaaata gcagtgggaa 60
cagagctgag gggaagagga gggggctcct tcgggagctg ggtggggagg cctcaccccc 120
ttcctcttcc tgccaggccc gatgtgagga agtcccatgg agtcacataa ttccatctgg 180
gagagtcctg gagccatcag ccctcacacc ccctcctcat acaggcgagg aggccctgga 240
ggcccggaga gcagaaagca ctggctggtg tcaagcaagc ccagagagaa gggcccagtt 300
ggcaggctgt ttttccctgg ctgtttcagc acagtggctg caggccttgt gctgaggttt 360
gctgtcactg n 371

<210> 459
<211> 369
<212> DNA

<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(369)
<223> n = A,T,C or G

<400> 459
ccccagcggc ctccacagca agctggccaa cgggctgcct ctcgggcggg ctgcgggcac 60
agacagcttc aacgggcacc cgccccaggg ctgcgccagc acccctgtgg ctcgggaact 120
gaaggccttc gtggaggcca cctttcagag acagtttgtg ctcacgctga gcgaactcaa 180
gcgcctcttc aatctgcact tggccagcct gccccccggc cacacactct tcagcggcat 240
ctcggaccgc atgctacagg acacggtgct ggccgccggt tgcaagcaga tactggggcc 300
ttttcccccc cagactgctg cttcctcgat gagcaaaang tgtttgcctt ctggagtctg 360
gagacatan 369

<210> 460
<211> 369
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(369)
<223> n = A,T,C or G

<400> 460
tacggctgcg agaagacnan naaagggggc aggaggatca cctgattcta agaattcgag 60
actgcagtga gccgtgatct tgccactgta gtccaggctg ggctacggag agaccctgcc 120
tccaaaaaaa aaaaaaggga aaaagggtgg caaaaaaaac ttaattgttg ggaaaaggga 180
aatttaattg gcggtttttt ttttggaaat gaacgggggg aaaagtccaa aagccctttt 240
ttattggggg ttttggcccc cgggggccaa aaaaaagggg gggccttcaa tccacccaaa 300
aaaggttgcc tttgggaaat tccaatcacc aatggcaaag gggaatatat ccccaataaa 360
gtttttgga 369

<210> 461
<211> 372
<212> DNA
<213> Homo sapien

<400> 461
gccctgaaga acctctacat gagtgaggtg gagattaact tggaagacct actgggagtg 60
ctggcttccg cccacatcct ccagttcagt ggcctgtttc aaaggtgcgt ggatgtgatg 120
atagccagac tcaagccaag caccatcaag aaattctacg aggccggctg caaggttatt 180
tacctttagt gaattccatc ttctgaaaac aatgcttttg tgggtcttct tgcaactgaa 240
ctacaagatt caggcaattc cgacttatga aaccgtgatg acattcttta agagctttcc 300
tgagaactgg tggcttctga ccgggacata ggacagagct tgaggccgct cttcctctgc 360
ttggcgctgc cg 372

<210> 462
<211> 361

<212> DNA
<213> Homo sapien

<400> 462
ggcacgagta tcttgtggtt gtctgacaat acttcacctt tcttttaatt ccccatgatg 60
ttttcaatta tggagagagt attaaaaact agatttaagt ttctgcattg ttctcattac 120
actcaacact atttcattaa gttcttgata atatgtagcc ttctgtgtgc gaggaaagaa 180
ctaaataaca catttatttg ctgaatgaga tttaaggtgc gcaagtagca ttgatggttt 240
tcccacacag gattctatac acttatacca tcttatatct ggcatttttt ttttaagata 300
gcttttactg acgaacacaa agcttggttg tgcgcaaata taacgctaaa taaatggcgc 360
c 361

<210> 463
<211> 361
<212> DNA
<213> Homo sapien

<400> 463
ggcacgaggt ctgcagaccc ctggcccggg ctggcgccga cgctcagaac ctgcaggtac 60
ttcataagca cacaggggcc tcgagggagc tctgtgtctg accgcacagc agcctctgaa 120
tgccgctgga agtgatgatc aaagtaaaga ttcagttggg acttgagttt ttttttttt 180
caatgggcct ggggaaaaaa agggggaaag gtaaaggggg ggcatttttt ggtgggaaat 240
ctaaattggg gcacttcagg agaatttaa gccaacgttt ttataaccaa accttgggga 300
ccccagggcc tttccaagca aatttttttct tggaaaaaag ggggaggaaa aaagtaaagg 360
g 361

<210> 464
<211> 366
<212> DNA
<213> Homo sapien

<400> 464
cgttgctgtc ggcactttgg gagatagagg caggtggatc ccttgagctt aggaatttga 60
gactaggctg ggcaacatag tgagacctca tctctaaaat taaaaaaata aaagccacca 120
gaaaaaaacc taaaaacatg ccaagtgaca tcagtctttg atgaaaatgg cagcagaaga 180
gtgatgccat gggtgggggt gggaaatgct atttcagcag agagggagct gtcacggaag 240
acaccatgtg gctgggcgcg gtggctcaca cctgtaatcc caacacgttg ggaggccaag 300
gtgggcagat cacttgaggt caggagttca agaccagcct ggccaacatg gcaaaacccc 360
atctct 366

<210> 465
<211> 361
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(361)
<223> n = A,T,C or G

<400> 465

tacggctgcg aaaagaacac agaagggaaa cctcgatgct gcagaactat aagccactgg 60
gcccgggcct cagtttcccc actctgtact aggaattatg acagccccac tgcagagctg 120
cttgggcttc tgtgaagggt tcaagccggc acctggcaca cagtgacaca tggaaaatgt 180
tcacacggca atgggacgtn cccagccagc ccctcgctgc gctcagtgtc ccagcaccaa 240
caggaggttt cctgcacaga gaagggttgg tgagctaaaa acctcgacac tcagcgaatt 300
gaaaacataa cgcccacaca caaactcata taagccaggc acggtggctc acacctgtaa 360
t 361

<210> 466
<211> 366
<212> DNA
<213> Homo sapien

<400> 466
attcgaattc ggcacgagca gaggaggaag tctcagaacg agtgacactt cacatttgtg 60
cttctacaaa aaaaatattt tgtcgaactt atgatatcca tgatccaaag agttcagcaa 120
gaccagcaga ttggaagtat caaagtggat tatcatcctc atggctttct ttagagtgta 180
cagttcacat taatattcac attccacttt ctgctacttc tgtcagctat actctggaga 240
aaaatacaaa gaatgactta cacgcttggc caggaaatag gaaatggggg ttatttgatt 300
atggacaagg taagatgaag atgtgactat tagaggacag aaaaaacttc tagaagaata 360
ctcagc 366

<210> 467
<211> 365
<212> DNA
<213> Homo sapien

<400> 467
tcagagcagg caactgagag aaactgtatt acagttaccg agtggcttat taaggaaagt 60
ggcgcaacaa tcaggtccat gtttcattca aatgaccctc cattccccca acaacatcct 120
cacatctgcc aaagcaaatt atgctgctgt gctcatttga tgatggaatc agcatcgcat 180
gcaggctgaa cccctactac ggcagaacca agaaagccac tctttccccc ctcctcctaa 240
gatgccacca cagagcaggg tgccagtggt gggtggggag aaagacggag acacagaaac 300
gtctcttttt cactgtgatt ctcctaagga atatacagtc acccccacag gaaaagcaag 360
agttg 365

<210> 468
<211> 362
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(362)
<223> n = A,T,C or G

<400> 468
ggcacgagag ggccccacgt tctgcagcct taaggttgaa catgagtgca cgtccatgtc 60
agtgctgtgg gactcctgtg cgtgcctcgg actgcgtgtg tcggcgggac gcaggcacac 120
gtgggtgtgt gtgcatgtgt gtttgtgtga gggcagcgtg tcctccagtg tgcatggtgt 180
gtgggcttgg gccccatccc tggccgagca tttattctgt ggggaggggt ggaagcttta 240

gnaagaaccc cactgggatc atgaggtgcc tgccaagcct tcctttatgg agaaaacttt 300
aggtggtgga ggttaccttt tggggttggt tttcttatca tttctggata aaagttatgg 360
ag 362

<210> 469
<211> 366
<212> DNA
<213> Homo sapien

<400> 469
gaattcggca cgagatccaa gccatctgca tcgcagcctt ttactcgaag gagtggccgc 60
tcctggtggt ggtgccatcc tccgtgcgct tcacctggga gcaggccttc cttcggtggc 120
tgccatctct gagcccagat tgcatcaacg tcgtggtgac tgggaaggac cgcctgacag 180
ctggcctgat caacattgtc agctttgacc ttcttagcaa agttgaaaaa cagctaaaac 240
ccctttaaa gttgcatcat tgttgcaaga ggtgatcctg tggcggcaca ccaccatgtc 300
ccggccgaga gcttacagca gacatcgcag cagccacttt ctccccagtt catgccttgg 360
actcgc 366

<210> 470
<211> 359
<212> DNA
<213> Homo sapien

<400> 470
gtcgcttcag cgttctcggg tgctacgctg ctgcagctgt cgcctcttcc aggcgcacca 60
ggtaaaaaag agtgtcaagt ggacatgcaa agcttgtgga gagaagcagt ccttttgcg 120
gactgttcag tcagattctc tgctccaagt ccatagaatc tcattccaag ccaactggaa 180
gagctgagtc tcaattataa attcctagga gaagcaacct ggttggccca ggctgactcg 240
gatgcccacc tctggtccag tcaactggga ttgggtctca gaagagaggg gctggcttac 300
caggtttctc aggcttatgg tgaaggctct ggtgctgatt gtagacgcca tgtccaaag 359

<210> 471
<211> 359
<212> DNA
<213> Homo sapien

<400> 471
ggcacgagca gggataagac tgagcaagaa tataatactt caaaaaatgt acagctactg 60
tttaagtttt aaacagacac catcacagtt tgtggatgaa atagttttaa gccatatact 120
ttctgtcttt ttttccccat attaatattg gggggcggat aatatcactt tgatgtacat 180
tgatattaaa gtttggtaat gcagctttta ctgtctacat ggtactgtac attagttttt 240
aagcagaaac acaagaaaaa tgggtataat ttcaaagtag ttcttggcag atggctagaa 300
gaatactgca gtgaccctgt atcccgaata cacagatatc cctctattac aagtttggg 359

<210> 472
<211> 357
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature

<222> (1)...(357)
<223> n = A,T,C or G

<400> 472
gccgttgctg tcggctttgg cgggtctggt ttgaagctct cctgtttgac gaaagtatgt 60
ctcaggaagg tgcggtccca gctagcgcgg ttcccctgga agaactaagt agctggccag 120
aggagctatg ccgccgggaa ctgccgtccg tcctgccccg actcctctca ttgtctcaac 180
attctgacag ttggattgag catattcact gtgaaattat tcgatgacat gatgtatgaa 240
ttaaccagtc aagccagagg actgtcaagc caaaatttgg aaatccagac cactctaagg 300
aatattttac aaacaatggt gcagctctta ggagctctca caggatgtgt tcagcan 357

<210> 473
<211> 359
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(359)
<223> n = A,T,C or G

<400> 473
ttcggcacga gagaagctgc tcctcgagac aaactgagca acccactgga tatatgctat 60
gacgtgctct gtgaaaatgc ctactttcag aaatttcagc tagaaagggt taatctgcag 120
gaagtgaaac ggtcaactta tgatcataca aggaaatgta cagaccagct actgctcttg 180
ggtcaaacag acagagctgt gcagttgctg ttggaaacaa gtgcagataa ccagcattat 240
tactgtgatt cactgaaagc ctgtttagtc actactgtaa cctcgtcggc ccctctcaga 300
acaccattaa agttgtgcaa cgataataat gcaaatgcaa attgcagaag gcggtcagn 359

<210> 474
<211> 358
<212> DNA
<213> Homo sapien

<400> 474
tacggctgcg agaagacgac agaagggcgg gaggtgtagg ttgcagtgag ccaagattgc 60
gccactgtac tccagcctgg gccacagagt gagactctct ccccaccact ccccccaccca 120
aaaatgcata aggataaaga gatcaagaga gaagacaaca gaaaacaagt aaattcgtca 180
aaaattcaga ggctggaaca caatatatga gatgagtgct aaaccagcat aattggagaa 240
agctgaaacc tgaggctggt ggtgatgggc tcagttctta gaggtactgt atacttctga 300
ggtacagggt aaatggaaag ctgaaaaaag gaaaattgat tgaaagtcca actcaaga 358

<210> 475
<211> 359
<212> DNA
<213> Homo sapien

<400> 475
cgttgctgtc gcggggcgga gcttgggtgc aagaatgtcc aggagcaggc agagggcatc 60
gaggagcagg gcctggggcg tggcccggct gcgcgtggct ggcgcgatgc cggacaccag 120
cgtctggatc aggttcctca tctggctcat ccggttctgg gcctcctgct ggctgctggg 180

gaaggtgatc ctgggtgtgt ggctggaagc aaacagcaca tggaaggcca cgggcaggaa
240gggtgggtag cgcagcagct ggaagctctg gctgtgatga gcagcccccg ccagcaggtc 300
atcgaaggcc agccagtcga gggccacaca cacagcaccc aggctggagt ctcgcagcc 359

<210> 476
<211> 358
<212> DNA
<213> Homo sapien

<400> 476
ggcacgtggt gacctttaa gctttaagag gaggtggaat tttggccagg acttacttct 60
ttgacattgg gatctggaca ggcagaagaa gaagaggaaa cctcttcaga taactctggt 120
cagaccagat attattctcc ctgcgaagag catcctgcag agaccaacca gaatgaaggc 180
gctgaaagtg ggactatcag gcaggggggaa gagctgccat ctgaggagct gcatgaaaga 240
caagggctct tgcattccca ggaggtccaa gttctggagg agcagggaca gcatgaaacc 300
agaattttgg ggggaaagga actctgaggg aggatgtttg tgctgatggg ctttattg 358

<210> 477
<211> 358
<212> DNA
<213> Homo sapien

<400> 477
cgttgctgtc gctcaaaaat cagatctctg cttgaaactt gaagaaggac tggtaaataa 60
taagtatgac actgctctca accttctgaa agaatcaggc ccatcaggaa ttgaaacaga 120
gctgcgaagc ttgtctcctg attgtggtgg gtccatagaa gttatgcaga gcttcttgaa 180
aatgattggg atgatgctgg acagaaagcg tgattttgag ttagcccagg cataccttgc 240
attgtttcta aagttacacc ttaaaatgct tccttcagag ccagtactcc tagaagaaat 300
aacaaatttg tcatcccagg tggaagaaaa ctggacccat ttgcaatcac tcttcaat 358

<210> 478
<211> 353
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(353)
<223> n = A,T,C or G

<400> 478
ggcacgagga gacgtcgggg actgaggcct cttcccttac cagggaccta aaacctttc 60
tccggttggg ctagttcgct ctcggggaag aactacacct cctacatcca ccctctacct 120
ctcattttaa gtcccttgtg cctgagcatt tctctccacg tgactcttaa ggtgagcatg 180
ggtttatgcg tcttaggcat tattgtgatg gcgagcacca attctctgat gtggaccttc 240
tttagccggg gcctcagttt ctccatgtct tcagccattg catctgtcac agtgactttt 300
tcaaatatcc tcagctcggc cttcctgggc tatgtgctgt atggagagtg ccn 353

<210> 479
<211> 354
<212> DNA

<213> Homo sapien

<400> 479
ggcacgagca gggataagac tgagcaagaa tataatactt caaaaaatgt acagctactg 60
tttaagtttt aaacagacac catcacagtt tgtggatgaa atagttttaa gccatatact 120
ttctgtcttt ttttccccat attaatattg gggggcggat aatatcactt tgatgtacat 180
tgatattaaa gtttggtaat gcagctttta ctgtctacat ggtactgtac attagttttt 240
aagcagaaac acaagaaaaa tgggtataat ttcaaagtag ttcttggcag atggctagag 300
aatactgcaa gtgaccctgt atcccgaata cacagatatc cctctattac aagt 354

<210> 480
<211> 353
<212> DNA
<213> Homo sapien

<400> 480
ggcacgagga agaatccagc atcatttcgt cttctgatta tattcatagt cattacggtg 60
ctgccaagat gttatttgtc tgacacactt gcacatagta gggatttaaa aggtgagtgc 120
ataggcacct ataattagtc ctctatgtag gttcctacat acaattatag ttaatcataa 180
acccattaac atttagaaaa aaaacaatta taacatggct taggatggag ctgtaatagc 240
atttgtgata gtcagtgaca tggatgctcc acatggtcag aaagccttga tgttaggaca 300
ccaggatcta gcctgagctt cttaaaaagc ataaaacaaa gcaaaaccaa aaa 353

<210> 481
<211> 349
<212> DNA
<213> Homo sapien

<400> 481
ggcacgagac agaccaacca accaccttgc tggaaccctt gctagcaggc attcttataa 60
aagaaacttt ccagcaatat aaggaggctg gaaactcagc tgtgctccag actagagcct 120
ccttacctat gctatggatt tttaatttat tttctcttat ttcatgtaca ctgctttttt 180
tggttacagt gtatgatgga tgtgtatgaa aaaaatgtat ctttgggaaa acaattacag 240
tttgttaatt tgaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa ccccccccccc 300
ttaaaaaatt tgggggggggt ttttccgaaa ccccccccctt gaaaaaacc 349

<210> 482
<211> 348
<212> DNA
<213> Homo sapien

<400> 482
cgttgctgtc ggctggatgt gaacctcctg ggctcaagtg atcctcctgt tttggcctcc 60
caaaattctg ggattacagt tgtgagccac tgtgcccaac aagagtgaaa cactgtctca 120
aaaaaaaaaa aaaaaagggg aaaaattaaa ttggccactt ttccgcaatt attaagggct 180
taaaaatttt taaaaaggga aaaagggatt gaaaccaaaa aaaggggaaa gggaaagggg 240
tatttttatt aacttaaggg ccagggcccc cgcccccatg ggaaaacctc ccaaaatttt 300
aaaagggaaa ccggtccctc attaggaaga aaaaggaccg gaattttc 348

<210> 483
<211> 348

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(348)
<223> n = A,T,C or G

<400> 483
tnntgctgcg agaagacgac agaggggcag tttgaaaaag gacctggttg ccaaagtacc 60
atattaccca tcaatgtcct ctcctaccca tttccctttt tcacaccctc taaatctcta 120
taagcaaatg cggaaaatgc aaactaagct ttgaacagaa tcaaatgagt ccctctggga 180
cacttgcagg ggacttattt cttccgaagg atgtgacagc agcttctccc aatagtggca 240
gcgtttgttt cactgttaga ctggaggagc acaaggagca tacaacatgt ggctctgtcc 300
acaccactgt gaagttgttg gttctgagaa attactgggg ggagtgtt 348

<210> 484
<211> 349
<212> DNA
<213> Homo sapien

<400> 484
agctcaaggg cgttacatgc gagaacaggg aggctgtgct ggatgctttt ctggatgatg 60
gcttccttgt ccccacattt gaacagttgg cagctttgca gatagaatat gaagaaaacg 120
tggacttgaa tgacgtcctg gtgccaaagc cgttctctca gttcttgcag cccctgctca 180
ggggcctgca ctcccagaac ttcacgcagg ccctattgga gaggatgctc tctgaactgc 240
cagccttggg gatcagcggg atccggccta cctacattct cagatgaccg gtgaactgat 300
cgggggcaac acccagactt gaccgaatgc tcgcggattt tctgcagcc 349

<210> 485
<211> 351
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(351)
<223> n = A,T,C or G

<400> 485
ggcacgagcc tcggcctccc aaagtgctgg gattacaggt gtgagccacc gtgcctggcc 60
cgggaatatt tagaagagag tgatcatctc tatcaaatac ttcgatacat taaggtgaaa 120
actgagacag gctattggat gtgaccaaat agaagttggt ggtcaccttg ataggcagtt 180
tcagtcaatc tgattggagt gggttcacaa aagaacggga tgagaagcaa acttagacaa 240
ttttctgggg acttttgctg taaatagcag agaaattgca taatagggtt aaaagagagg 300
gttattatta ttttattaaa ggtgcattgg gagtgatcct atagaaagga n 351

<210> 486
<211> 354
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(354)
<223> n = A,T,C or G

<400> 486
tacggctgnc agaagacgac agaaggggga aatggggctg ggggccgtcc ccgggagaca 60
ggcggccttc cgagagggac tggagcaggc cgtgcggagt gggcattgct tgatgggcag 120
gaagttgagt gttccttgca agggtgctgt ggcaagagga ggcctggtgt atttggcagc 180
gttcctgagg ctgtacatga tccacctgat ggctggtcga gtaccccagg gagctgatcg 240
aatagcagtc aaggctgaga tggaggccgt ttttctggag aacctgaggc atgcagctgg 300
ggttttggct cacgaggacc tcgtgggact gctggagccc atcatcacgc gcat 354

<210> 487
<211> 346
<212> DNA
<213> Homo sapien

<400> 487
tacggctgcg agaagacgac agaaggggtt tcaccatgtt ggccaggctg gtctccaact 60
cctgacctca tgtgatccac cctccttgac ctcccaaagt gctgggatta caggcgtgag 120
ccactgcgcc cagcccaaaa caaacttgtt gggactccca ggtgcttata gacatgtgtt 180
tggaaatatt agatagacaa ctggatctgg gctctggaac ttagcagaga ggcctagact 240
agagatacaa atctgggagt caccaccaca tagacagtgg aggaagctgg agactggtga 300
gattacctgc caagagaggg agtgtgggtg gagaggaggg cacaag 346

<210> 488
<211> 333
<212> DNA
<213> Homo sapien

<400> 488
aacatacaat atagaccgta tatacgaaaa ttcacacatc tattcattct ttgccgacac 60
tcaacgatat gcgcttcaca tgatcactac tgcaggcgaa aggtctatga catgtgactt 120
cattgcttta ttcctgacta tacattcgcg actttcagct aggaaggcac agcattagca 180
ttcattcaac agacttcgct tctcttagac caggaagagg tactaagaga actttccata 240
ggcaactctc ccgccttttt gaaaattaac tgtttgtgat ttggtatcat aaacaagtga 300
tgtaactttt caggtgaatt gtttctgtgt tta 333

<210> 489
<211> 320
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(320)
<223> n = A,T,C or G

<400> 489

tacggctggt agacgacaga agggaccatt cttttactct gagttcttcc attgtgatca 60
tctagtcaga tgggtagatc cttataaggc tgagcataat aagcttcctg atagctctac 120
actggtatgt tttggggttc atggctgagc tacttttgtg ttttatttat cttcctgatc 180
tctttttcac tgtaagagac atccagcacc cagngaaatt tgctggctaa ttcatacntc 240
actcttcaga ctagtactag tngtcagtnt tgtntttgtt ttttttctgt gctgaaattc 300
tattaaaatt gtcaggctgt 320

<210> 490
<211> 297
<212> DNA
<213> Homo sapien

<400> 490
gttgtctacc atgtatcaga tgctcaaata tagttacgtg atttttttcat tatgtagcaa 60
ctgtgcatct tcatgtcaca aacttgcaag aaatagaatt tctttattat cttataaatt 120
gggttgtctc acgtgtccca cttctgcctg atgggagaaa cttaatatac agttaatgcc 180
aggataactc agtcgattaa gagtttttt caggtaagtc ttaatattcc tgtagatgaa 240
tggataaaca aactggcaca tccagacgat gggctattat tcagcactaa aaagaat 297

<210> 491
<211> 694
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(694)
<223> n = A,T,C or G

<400> 491
gattcgaatt cggcacgagg ccaggggcta aatagttcat tgcaggagca ctgagggctc 60
agaaacctcc agacagaact ggcttggtcc tgctgggcag agatgatgag cttcggtgtg 120
gccagaacgg tgggggtcct gggcaccctg tgtcaccaat cccaggggag aggctgtgtg 180
tggtgagcct tgttggcact gcatcatgag ccacgagcag ggcgtggcca ctgttgtgca 240
ggtgactccg ccagggagcc atggtggagc tggggagctg ggcctgtcat gcggtccccc 300
ggggagccgc agtggagctg gggagctggg cctgtcatgc ggtcccccgg ggagccgcag 360
tggagctggg gagctgggcc tgtcatgcgg cccccggctt ctcagaggtg ttatcatcag 420
gtccccccac acactgatag gggtgaggtt ggaacctctg tgctccagct ccctctgggc 480
tctttgggag ccagcctggg aggcctcang gaggaacttg natggagact gggactggag 540
tcttgccttg ggtttccttt ggggccggnc tgcaagcttt ttggcttntt agcagccctt 600
ggaaacaacc ngatctgtat aggaggggag ttgacaaaac tcccggagag gagaagacga 660
cacatgccaa ctgttgcgtg gtaacacagc agcc 694

<210> 492
<211> 646
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(646)

<223> n = A,T,C or G

<400> 492

tacggctgcg agatagacga cagaagggta aggggtgagc ccaagagcat caaggctccc 60
atcaacagcc agtcctgtga gtgaggccat cttggacctg ccagctcagt aaaccctttt 120
gctgaacaca gcccaaggaa ggaacccttg caaaatgaaa tcgtgtggtc agtttgcggg 180
gtggttatta cacagcagta gatgattgaa aaggcccagt gtcttcctgg ggactgaaac 240
acccacctcc tgttcatgtt gatacacggt gagcagcata tggatgtggg agtggtgttg 300
gttgcangtg aggtanagaa gcantgaaca gagcacgaag acctgatgtt ccagggtcgg 360
gagtttagac ttgatcctaa caacggncat aggcggatat aggcaaagag taaccgtggc 420
agattttcat tttaaaaagt actctgacat ccattggaaa atgaacttga tgtcacaagg 480
ctgatggagc caggatgacc atttgggagg tgantgtagt aatctactta cgagttcatt 540
acgagctggg gaatgttgat ggtgttaaga cnaaaaaatg gttttgcaca cccgacggag 600
tgataaggtc ttaatgggcc acgcgcgcat gtctcccctc ttaccg 646

<210> 493
<211> 660
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(660)
<223> n = A,T,C or G

<400> 493

ggcacgagaa agggtctggg gaaaaaattt ttcttaaagc gacaagactc ttatatctaa 60
aaggaaactg acttgccacc ttgccagagg aattcttgaa atgtttctgc agccacttgg 120
ccttgaaaat aaagggcgca actctcaagt cttgttctaa cccggctgga ggaaccacaa 180
gacccaatga aatagcattt tctctccttt tgccagcact agtatataac ctatgaggaa 240
cccttgtctc tgaatctgct cagcttgaaa ttttgtctct gaaggaagag aatgaactca 300
gccctagtct gacagtccta gatttctgtg aaataagagt attcttcaac ttagtgctca 360
cactcacata ccatgagggt tctctgcagg ggtttaggcg gttcctgaat ttaaaagttc 420
tttaaaggcc tctctttggt aaaacaattg aaaggcagac accaacaaag tctgcaaaat 480
tactgtccag ataggatatt angagctgta aattagcttg agaaatgacc tatcttacgt 540
ttaacaagta gaaatctaaa ttgtaagctt ctgacaagtg tatgtcatta atgctangac 600
atggatgatt ttatccccta ctgggatatg ttggtaacaa actcatggat gaagggcaaa 660

<210> 494
<211> 219
<212> DNA
<213> Homo sapien

<400> 494

ggcacgagga ataatgtgtg ggcgaacatc ctgtcactta cctagagatg ttctcacgag 60
agcttgcgcc taccaggatc ggcggggcca gcagcggctc ccggagtgga gggaccctga 120
taagtactgc ccctcttaca acaagagtcc tcaatccaac agcccagtgc ttctgtctcg 180
actgcacttt gagaaggatg cagactcatc tgagcgtat 219

<210> 495
<211> 215

<212> DNA
<213> Homo sapien

<400> 495
ggcacgaggg acgcctgcat ccgagagcgg ttcgtggaca gcaagagggc gcgggagctg 60
caggggtttc tcgatggcgt caagaagggc caggagcagg tgctgggggа cctgtccatg 120
atcctgtgtg acccсttcgc catcaacacg ctggcactga gcacagtcag gcacctgcag 180
gagctggtcg gccaggagac actgcccagg gacag 215

<210> 496
<211> 445
<212> DNA
<213> Homo sapien

<400> 496
ggcacgagga gagagagaga gagagagaga gtgagagaga gagagagaga gagagagaga 60
gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 120
gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 180
gccccccctct cgcgctcttt ttttttttt ttttttgggc ccccttttt ttttcttttt 240
ttttttttat taaaaagagg gggggggggg gggggggccc ccccccccc cacaggtatt 300
tctttttttt ttttttttt ctaatgaaag gaaggggccc ttttttgcgc ccccccctcc 360
ccccctttt ttgggggggg gggggccccc ccggccttcc ccctctgggg gccaccactt 420
ccgtgtgttt ttttttttt tcttt 445

<210> 497
<211> 449
<212> DNA
<213> Homo sapien

<400> 497
atacatgcaa gctacgcagg attccatcga gacgaattcg gcacgaagcc agcatggcaa 60
aaccccatct ctactaaaat acaaaaatta gctgggcatg atggtgcaca gttgtaattc 120
cagctactca ggaggctgag gcatgagaat cgcttgaacc tgggaggcag agattgcagt 180
gagcccagtt cgtgtcactt cactccagcc tgggcaacag agtgagaaca tgtctcaaaa 240
aaaaaaataa aaacagtgaa tgggtgtagg tgtgatggaa ttcactttac ttactaaagg 300
gtttcgggag gttgtttctc caggtaaaat tgtcgcctct ctggtcccat tcccaccttc 360
aaacattata tgcaaacagt tttaaaaaat cttacagttc taaaaggctt gtgacaaaaa 420
aagaggcagt ccctctttca cattgacaa 449

<210> 498
<211> 451
<212> DNA
<213> Homo sapien

<400> 498
tcgaattcgg cacgagacct ggtgtctgag tgattctctg cagacccttc ccctcctcaa 60
ggatcacagg ccttccactg gacaacccca gcgtgctttc aggccccatg caggcagccc 120
tgcaggccgc tgcccacgcc agtgtggaca tcaagaatgt tctggacttc tacaagcagt 180
ggaaggaaat tggttgatac tgacccccag gccctgcagt ggggctgact ccaaatctct 240
cctgccctcc ctggcaagca gggaccaaca ccttgtatca ccccaccaca cgcagactca 300
tgcacgcaca caggaaggag gcctatcttg ctcaaagctg caaggaaggg ccaagaaccc 360

gctgggaggg gggggccctt ttgttgaaaa cggtaagaaa gcgaggagag ggtttgatta 420
gagaagcttg gggcccctgc cagcttcttg g 451

<210> 499
<211> 431
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(431)
<223> n = A,T,C or G

<400> 499
ggcacgaggt ttatcgagga cacaatgagg atgccaaggc acagagaagt taaggaactt 60
gtccaaaatc accttagtga taactggcag agcttgaatc agaattcaag taatctggcg 120
tcatgtccaa taccactaac cattgcattc tgctgcctct cagaaataaa ccaggcatag 180
agtaaaaatt catctgtagt tcaagaaaca atttattgaa gcttcctttt tctgtcaagt 240
ttggaaaacg ggagagaaga taggaatcga gactgagaag acgaccaagt ggttctgagc 300
tgagagaact gggaaattga aggacgtaga ttagctaang gaagaataca agacctgatc 360
cttctanaaa tttttttaat ggagggaatt cacaaaacat aacagccatc ttaagtgaac 420
aatcagtgaa a 431

<210> 500
<211> 437
<212> DNA
<213> Homo sapien

<400> 500
tcggcacgag gcagaaatga gtaaagtttg ttttatcttt tcttaatatg acaattattg 60
tgttggttca acttatgttg tactttaatt agaagaaatt tggccgaaaa tacaaggaaa 120
atatacaaat gcaagtaatt ttttttaaac ttccctgaaa gcagggtcta aagaaattac 180
caaccaactt agactggatc tagaagaaaa ggaagggtct ttgcagtctt aggactcttc 240
cgttccgcga cagacgtgtt aggataacag ccataaatgg ttgtaagact ttgggctcag 300
atacagagac ttaagttcac attttgactt attttacaag cgcgcgattt ttagcaagct 360
catcttccta aaccatgagc tgcttaattt gaaaggggac attagccact cttcagcagc 420
agccctggta cttactt 437

<210> 501
<211> 429
<212> DNA
<213> Homo sapien

<400> 501
tcgattcgaa ttcggcacga gggaacacgt tcaggggatt gtgaggtctt gcacaagcca 60
cgtggggcac cttggcttcc cggcaggagg tggacaccca gccagaggcc tggctcaagg 120
tgacctcacc ttcaccatgg gcttcctggg tgcgcgggcc tgagcgcagg ttgttttgta 180
catattggaa tatgtgttaa cttatgcccc gcatcccaac tcacacggaa gcacgggtct 240
tgtctcagtc tcttcgctgc atttggaaag cagtctcctc tcgggccagc gccgggctga 300
ggtgtccaga ggcggcggca gctggcagtg ccctcagccc ccaagtgtcc agcctggcac 360
ttcccattca ggccacctgc tttgggtcaa cagttccttt gccagcagca tctcctaaat 420

tgaaggact 429

<210> 502
<211> 434
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(434)
<223> n = A,T,C or G

<400> 502
cattcggcac gagattgaac accagtatac aataacttta gggtcatatg gatcattggt 60
ttcacgatta cagtaggtct ggtgcatggc actcccagat ctagtagagg ctctgatgtc 120
agtagcagga tggaggagag ctgggcttac agcctctcaa cttgttggcc cttataccat 180
cactgcactc atgtccttgc tctgtgcaga agtagaatca gaaaagcatc aggcaccttc 240
atggtataaa ttgtgtctat gggtgcagtg aataagcaaa aatcagaagc agaccggagg 300
gacttataaa aataggtaca gggtcacaat gggtgcctat atgtagcctg tgacagataa 360
gaagctgaca gtgagacaaa caaaaaactg aggctagagc ctcattcctc tgactcctaa 420
tncagnngtc tctc 434

<210> 503
<211> 438
<212> DNA
<213> Homo sapien

<400> 503
ggcacgaggc aaggcccagt ggatgagaat cccatgatgg ccatatttct gcagcatgcc 60
gcaggactct tacatgcaat gtgtacactg tgctttgctg tcactgtgaa ggcatacagc 120
atatttgaca ataatcgcca ggatcccaca gggctgacag ctgctcttca ggcaaccgac 180
ctggctggag atcttcatat gctctactgt gtcctcttcc atggcaccat cttggacccc 240
agcactgcca tgcccaagga gaattacact caaaatacca tccaagtggc cattcagagg 300
ttacgtttct tcaacagctt tgcagctctt catctgcctg cttttcagtc tattggaggg 360
gcagagggct tgtcccttgc attctcgcac atggccagct ccctgctggc cactgcagcc 420
aaagtctctg tgaaagcc 438

<210> 504
<211> 434
<212> DNA
<213> Homo sapien

<400> 504
ttcggcacga ggcctccagg aggcaccagg caggccctgt atcaggctag gacgctctga 60
gctgtgcatg tacatatata catatataga tacatttata atatatacac acagtctata 120
tatttatata cactgtttcc tggccccaga gctcatttgg gttcaggcgc acttcaaaac 180
cctccctggg ggaggctgtt tcttctcagg attccttgcc agggaggaag gggagggaac 240
agggtgggtt ttctcactga agagagaaag cagaaggttc tagatcctgg cacagactgc 300
atcccatgtt cccatgctct tctccgtccc caggaatgcg aacggcagtt tcccttcctc 360
agtggacgtc taggtgggga caggggatct tggcttccag cctgaccatg agagccctgc 420
ttgcctcttg tctt 434

<210> 505
<211> 425
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(425)
<223> n = A,T,C or G

<400> 505
gcatcagacc ttctgcggat cccatcgatt acaattcggc acgaggccag cagtcctctg 60
cagacatccc ttagccggcc tgctggcctt gctgactttg gaccttcaag cgcctcttct 120
cctttgagnt ccccctttgag caagggaaat aatgttcctg ggaatcccaa gaacctccac 180
atgaccagca gcctatcccc agactctctg gtccggaaac agggcaaagg caccaacccc 240
tctggaggac ggtaaccatc tgggccctcc gacttccttc aaccaaacca gggctagagt 300
cctgacctgc cagtggtctt tggatggctt gccccgtgca gcatcttgca tcctgagtca 360
gaagtggaaa tgtccagcaa gggaaggaca ggcaggtgga tggtgtgagc acttttatca 420
tctgt 425

<210> 506
<211> 432
<212> DNA
<213> Homo sapien

<400> 506
ggcacgagag ccggccgaag cgtggcggcc acagactgtg ggtaccgggt ccgagggact 60
cgcgcttttg tgtccgtgcc atggcgccag cgagggccac gaacgtggtg cggctgctac 120
taggctccac agcgctgtgg ctttcgcagc tcggctccgg gacggtcgcc gcgtccaaga 180
cggtgactgc ccacttggcc gcgaagtggc ccgagacccc gctgctgctg gaggcaagag 240
aattcatggc agaagaaagt aatgaaaaat tttggcagcc tttggaaact gtgcaagaat 300
tagcaggtta taagcgaaca gaatcagatt attcctatta caacttattc ctgaagaaag 360
ctggtccgta ctagacattt acacatatac cgcttaaagt gagctggcgc catattggca 420
tactccccag ct 432

<210> 507
<211> 430
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(430)
<223> n = A,T,C or G

<400> 507
ttcggcacga gttgagacag agctaaagaa gaggaaaggg atcgtggaac atgaggaaca 60
gaaagttaag ccaaagaatg cagaggactg tctttatgaa cttccagaaa acatccgtgt 120
ttcctcagca aagaagaccg aggagatgct ttccaaccag atgctgagtg gcattcctga 180
ggtggacctg ggcatcgatg ctaaaataaa aaatatcatt tccacggagg atgccaaggc 240

ccgtctgctg gcagagcagc agaacaagaa gaaagacagc gagacctcct tcgtgcctac 300
caacatggct gtgaattatg tgcagcacaa cagattttat catgaggagc tcaacgcgcc 360
catacggaga aaccaagaag aagccaaggc ccggcccttg agagtangcg acacggagaa 420
gccagagctt 430

<210> 508
<211> 430
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(430)
<223> n = A,T,C or G

<400> 508
aattcggcac gaggttgggc gagatgaagc tacactgtga ggtgtaggtg atcagccggc 60
acttgcccgc cttggggctt aggaaccggg gcaagggcgt ccgagccgtg ttgagcctct 120
gtcagcagac ttccaggagt cagccgccgg gccgagcctt cctgctcatc tccaccctga 180
aggacaagcg cgggacccgc tatgagctaa gggagaacat tgagcaattc ttcaccaaat 240
ttgtagatga ggggaaagcc actgttcggt taaaggagcc tcctgtggat atctgtctaa 300
gtaaggccat ttccagcagt ttaaaaggnt tcctttcagc tatgagactg gctcatatga 360
ggctgtatgg tgatacaacc agttcaacgc tcacacccag tgagacttca gaaattgaaa 420
acttaatact 430

<210> 509
<211> 408
<212> DNA
<213> Homo sapien

<400> 509
ggcacgaggg aaaaagcgca agttgaaagc tgtcagttaa ataatagaga tagaagaaat 60
gtggacttta caagtagtca tgcaactgct gtttgtggat ccagtgataa ttattcctgt 120
ttaccaaatg ttatttcctg tactgataat ttggagggta gtgccatgct cttatgtgat 180
aaagatgagg aaaaagccaa ttattgccca gtgcaaaatg atcttgctta tgcaaatgat 240
tttgccagtg aatattactt ggaatctgag ggacagcctc tctctgctcc ttgtcctttg 300
ttagagaagg aagaagttat tcaaaccagt accaaaggac agttagactg tgttataaca 360
ctgcacaaag atcaagatct gattaaggat ccacgaaatc tattggct 408

<210> 510
<211> 405
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(405)
<223> n = A,T,C or G

<400> 510
cgatgctgtc gatccctcca gaaagtaatt aaccagcagt agagaaaagc agctgagctt 60

gaaacagtcc gaagagaata ggacatcagg gcttttacct ttacagtcat catcctttta 120
tggtagcaga gctggatcca aagaacactc ttctggtggc actaacttat acagtattct 180
ggaagaaaag actaaggaaa ataaaggcaa ggaaattggc aaagaagtaa taaatgaaga 240
tggtgaaagt cctcacatcg aaaagcctca aaaaatacca aacaacaaat acttttaaa 300
aaatccacat tttgtcaaaa aagatgctgg tgaagttgtg gagaaaaaga aatgtgtata 360
cactgttggt aggagtgtaa attagttcaa ccattgtgga agagn 405

<210> 511
<211> 414
<212> DNA
<213> Homo sapien

<400> 511
cgttgctgtc ggtttctata aactttaatt acctctgatg aggagtgtat cccctcatca 60
cattcacccc aaaggtacag aggagttcat ttttaaaaat gtgttagagc aataaaaggc 120
cattataggg agggaggatg gggtgtggaa gagacgatag agcgagcgag agagagagaa 180
aacacactag ctctccctgc tggaataata ggcttgaaat atgaggaagt tgatcaactg 240
ccgctgcctt ccaaaaacag attaatccac cttggtagct ttcctttcag agcaagcttt 300
tggctctgtc gactttctct atcagcctga actcaaaagg acacaggcca catgccatct 360
gagcttaaga gttattttgt gtgttgatct gagaacttca cattttaaaa caat 414

<210> 512
<211> 412
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(412)
<223> n = A,T,C or G

<400> 512
gtccgtcgct cgccatatac attgaaaact cttatcttgt gttcactttg cattccttgc 60
aggttgagga tgttttgatt tctggtctta gtctcattct tccttctttg tcctgttggt 120
cttgttcttt tctttttgat ttgtagggta tattaggatg gtgcaaaagt aattgaggct 180
tttgcatcgt tgaaatttgt catttgatac tggaataccc tcttaaacct tcttaaatgt 240
nggtatgtta tacatcattt taatgggcat ttctcacttt gtttttttt tttgctaagg 300
actaataact ggctgtttat atttatttta gactatggaa aggattttag acaaaaggca 360
ccttcaggtg gttttcttat ttgagtccaa aatgggtcat accgcagcaa aa 412

<210> 513
<211> 407
<212> DNA
<213> Homo sapien

<400> 513
cggcacgaga tttctatgga taggaggctg atttgttcca ttatgcgaag atgatgggaa 60
gaaaagctgg atgtgcaaat gcaggtgaat ttgtggatat attagaacga agacgacagg 120
ccttgatgga tggttgaaga actcaaacat tagacagtac tgggtctgag ttctgactct 180
gccttttgca agctgtgcaa ccataggcca gttatgaaac cttagttatc aagttataac 240
taataggatt gtgttgaaca cgaaatgaca tgataaacat atgtaaactg cttggatcag 300

tggcccacta gctcttgtta ggagctaaaa tgttagctct tgctgagggt gctgtcaaat 360
ggcttctgtt tctcatggag cagacatcta taaggacatc cactggt 407

<210> 514
<211> 407
<212> DNA
<213> Homo sapien

<400> 514
cgttgctgtc gggcatttat atcttctata cttcccaaat gaatttaaga tgacttaaaa 60
taaaatttct taacagaata aatggttttt atatgtggga ggcgagtgcc tccctcctta 120
gaggctttct gcaaatcatt tgtctttacc ttggctctct gaccttgatg aagtactgat 180
gaactgagag tgtttttgtc ttttctctga ttaccaaaca acaatcattt attaagcatt 240
cattaggaaa aagacactgc gctaaatata gagatacaaa gatataaaac tcaaattttc 300
tacctgtaag aagctcataa actaggcacg gtggctcacg cctgtagtcc cagcactttg 360
ggaggctgag gcgagaggat cacttgagcc caggagtttg agaacag 407

<210> 515
<211> 415
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(415)
<223> n = A,T,C or G

<400> 515
cacgaggaca catggaagag atgaaggttc taacaaaact cggatggagg atcaccgatt 60
tcaaagcttc cgtggtctcc cagtcgcttc taacaatcac tcacgcctga aggcaactcc 120
caggccttcc tgactgcaca ccccaagtgt ctgactccct cacaaggcta gaaactactt 180
caggtagaag ccacaggggt ggcataatga ttaagaataa aaacactgga ctcagagagg 240
tggctagaaa cccacactcc accctccctt gctccatgac tctgcaagca acctccggag 300
aagctcagct tcaccctctc taaagcagaa acgagaagga atcctgtgtg tgtgtatgtg 360
tgtgtgcatg cgtgtgcatg cgtgttttaa attataacgc tatatcntga aaaan 415

<210> 516
<211> 413
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(413)
<223> n = A,T,C or G

<400> 516
cgttgctgtc gggcattttg aagaaacata tgatatagct gtttggaaat aaattcatct 60
atgntacttt ttttttctt ttttttttt ttttatgacc gggaaatttt attggccaaa 120
acctctttgg gggtgggggg gcccatgggc cccggaaaaa attttccatt attcaaaaaa 180
atggttttgg ggttttgaat ttttagcccc tttcattggt ttttcccacc cccaaaaccc 240

ttgttgggtt ttttgttaaa aaatttgata aattaccccc ctttttttt gtttttggct 300
ttttggaaaa attgtaccac cggagcgggt ttgcaacctt gggggggaaa aaccaatttt 360
cctctagggg gacccaaatt gaaaattggg gcccgggatt taatttaaaa ccc 413

<210> 517
<211> 406
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(406)
<223> n = A,T,C or G

<400> 517
ggcacgagag caactagggc cctcatcact tcgccgccga atccccggcg ccgcccagcg 60
gggcagagcc aggccagggc cgcccgccca acctggtccg ctgcctcttc ggccatggaa 120
gctgccggca gccctgcggc tacggagaca gcttctccac tcttcctcct cctccacctc 180
cgcccatgaa atggtgcact ctccctttaa gactaagatg gtggcttgct acgatcggga 240
ctccacttcc ggtggggagg ggggcgggac cccagcccgc tcacgccgga agtggttgcg 300
tttcaagatg gcgactccta tgtactgacg agaccggcgg gggggaaccg ccanactctc 360
ccttcttttg actcaccttg gatacatcan ggcagagatg gaccaa 406

<210> 518
<211> 413
<212> DNA
<213> Homo sapien

<400> 518
ggcacgagga cagccagagc ccccagcacc tggcactgct ctgccagccc ctgaccggaa 60
gcgcttctcc ctgcagagct atgcggatta tatcagtgcc gatgagctgg cccaagtgga 120
acagatgctg gacaataaag atgacaatgg gggtgaagct tctaggtata tcttcctgac 180
caagtttcgc aagtttctgc aggagaacgc cagtggccgg gggaacatgc ccatgctctg 240
ccccccctgag tacatggtct gcttcttaca ccggctgatc tctgccctgc gctactattg 300
ggatgaatac aaggcttcca atcctcatgc ttccttcagt gaggaggcct acatcccgcc 360
ccaggtcttc tataatggca aggtggacta ctttgacctg cagcgcctgg ggg 413

<210> 519
<211> 422
<212> DNA
<213> Homo sapien

<400> 519
ttcggcacga ggagagagag agagagagag agagagagag agagagagag agagagagag 60
agagagagag agagagagag agagagagag agagagagag agagagagag agagagagcg 120
cgcgcgcgca aaggcgcgcg ccccccccccc ctctagcgcg cgcgcgagag ctatcttttt 180
acaccacaaa aagtgtgtat atacgcgcac acacacacac aaagaaaaac acacgcgcgc 240
cacacccccc tgggggggggg cacacactgt gtctcgagag agacagcata tattcgcgag 300
agagcgctct ctagaaaaac acgcgcgcct ctctgttttt atttgccccc ccccaccacg 360
cgcgctgcaa aaaaaaaaaa aacaccactc tctcttgttt ttgtggggta ccccacccac 420
cg 422

<210> 520
<211> 417
<212> DNA
<213> Homo sapien

<400> 520
ttcggcacga ggagagagag agagagagag agagagagag agagagagag agagagagag 60
agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag 120
agagagagag agagagagag agaggggcct gtgtgtatct ctctctctca aactctccct 180
ctctctctag agatttttt ttgtgcgtgc ccgccagagt gtctctcttt ttgtgcgctc 240
tctatatctg tccctggtgt gtgttttccc cctcctcttc tgcccccccg gttttatatt 300
tttgctcccc ccccagagag agtgtgtggg ctctttttct tttttggggc ccccctccc 360
tgggggggg gttttttcc cccggggcct tgggccctat tcccagcttg gggggg 417

<210> 521
<211> 422
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(422)
<223> n = A,T,C or G

<400> 521
attcgaattc ggcacgaggc tgcccggagc tgcctgggtt gcgctgccgg ccacgtcccc 60
gcgccgggcc tcaggctcct tcctactgtc cgagggccac caggccgccg ggggcctgct 120
gcgcccggat gcgtctgtta ctagagtgga gagtctacct tcgtctcaca tgtgccacaa 180
aggatggcat ggcccgggag tgccccacca cgtggctttc acccccctgca aagccagact 240
tcgcccagcg acacagtgtc aagcccacag ctctccaagg aggaagatgg tccaggctgg 300
gagcatcccc ttagcagcag cctctgatcc cttggccaag caggagggaa ccattancag 360
cctgaggagc tggctggctg ggagcctcgg ggaccgccca gccttgctcc cagctcaccc 420
ac 422

<210> 522
<211> 405
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(405)
<223> n = A,T,C or G

<400> 522
ccatcgattc gaattcggca cgaggctgaa cgcgcggtca ccctcggccg ccgcacccag 60
cgcacttccc ggcgcgattc ctggacgcac actgcaggac caagggcacg cagaggtcgg 120
agcctgccca gaagccacac ctggccagaa aaaccgaagg tgtatcaagg tgtccgagtg 180
aagatcacag tgaaggagct gctgcagcaa agacgggcac accaggcggc ctccgggga 240
acccggtccg gaggcagcag tgtccacctt tcagacccag ttgcaccatc ttctgcagga 300

ctgtattttg agcctgaacc aatttcttcc acgcccaatt atttgcaacg gggagaattt 360
tccagttggg gttcatgtga agaaaactca ngctgcctcg accag 405

<210> 523
<211> 418
<212> DNA
<213> Homo sapien

<400> 523
ggcacgagca gaccctgaca agattgagaa gatcctcagc actcttgtta aagggacacg 60
cagacctgtg acctgcaaga ttcgcatcct gccatcgcta gaagataccc tgagccttgt 120
gaagcggata gagaggactg gcattgctgc catcgcagtt catgggagga agcgggagga 180
gcgacctcag catcctgtca gctgtgaagt catcaaagcc attgctgata ccctctccat 240
tcctgtcata gccaacggag gatctcatga ccacatccaa cagtattcgg acatagagga 300
ctttcgacaa gccacggcag cctcttccgt gatggtggcc cgagcagcca tgtggaaccc 360
atctatcttc ctcaaggagg gtctgcggcc cctggaggag gtcatgcaga aatacatc 418

<210> 524
<211> 398
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(398)
<223> n = A,T,C or G

<400> 524
cgttgctgtc gggctagcgc agccccccgg agtccttgtt ctccttaaga gggtctcgct 60
ctgcaaagca ttggcgccat ggcttttcct ttgcatgggt gtgcacaccg agagacaggc 120
agcttatgaa aaacaacata aggaagactt aaaaggatgc actgatttac gacgtttttt 180
gatgttagcc atttttttgg aaattgtttt ttaaagcaaa agttctttaa aaacatggtt 240
tatagttttt cacttacata tactattgca aatacttagc agagtcttaa gttactgtat 300
aaaacatttc attgcgtttg aagacatact tatgggtctt gaggcctggg tcctaatact 360
tttaaatagc gtatttatta tgtaaactga ggagtgcn 398

<210> 525
<211> 388
<212> DNA
<213> Homo sapien

<400> 525
aattcggcac gagcaggctt tagccatcca gccctttccc ctgctcaggg ctggggttgg 60
acggggtctc ctcctcccac agctccctcc tccacccctc acatacatac ataatttctt 120
ggcctagcca aacaagtcca ggccactgaa tggcaccaga ggggtctgtg gtcagccacc 180
ccaccttgag ggcagcacag gcaccatcgg gtggagggga gggggaggct gccggaagcc 240
tccagatgct gcctgcctgc ctgcagaagc ctgcagtggc tgctgctcct gcctctgcag 300
ccgccccctc tctccaccca ggccccactc agagctccgc ggcgggcagc cctagctgtc 360
acaccgatca gctcctcctc ctcacggg 388

<210> 526

<211> 388
<212> DNA
<213> Homo sapien

<400> 526
cgttgctgtc gctttttact aatcgccaaa ttgattagtt agcaaatcac ctcatcttcc 60
aatgaggtga ccctgtgtac ccacactcag gctaagatgc tggcaaaggc taagaaacag 120
cagagtccta gctagctttg cttacttcct ggaactgtta acacttttg aggcaagcat 180
tagacaaaaa gggtcctttt gagacaataa ccccataata aaaatgcctt acatttttga 240
gcactatatt ttaagcactg ttttttatac atattcattc atttaatttt ctcaacaact 300
ttaccaaggt gacactacaa tgatgcctat ttcaaagata aggcaactga gagctgagag 360
gttaataact taaatcatcc tcaattct 388

<210> 527
<211> 398
<212> DNA
<213> Homo sapien

<400> 527
ggcacgaggc agaaatgagt aaagtttgct ttatcttttc ttaatatgac aattattgtg 60
ttggttcaac ttatgttgta ctttaattag aagaaatttg gccgaaaata caaggaaaat 120
atacaaatgc aagtaatttt ttttaaactt ccctgaaagc agggtctaaa gaaattacca 180
accaacttag actggatcta gaagaaaagg aagggtcttt gcagtcttag gactcttccg 240
ttccgcgacg taagtgttag gataacagcc ataaatggtt gtaagacttt gggctcagat 300
aagtagactt aagttcaaat tttgacttat tttacaagtg tgtgattttt ggcaagctca 360
tcttcctaaa ccatgagctc cttatttgaa aggggaca 398

<210> 528
<211> 398
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(398)
<223> n = A,T,C or G

<400> 528
ttggtctttg tttttcctat agggaaaaaa gtcaaaataa gttccaaaaa ctatcctcaa 60
agtagtattg tgcttgtagt aaatgaaggt tggatggatg gatactgaca atggtggcag 120
gcatttcaag ccttttaaat tagtactttt tgtcgtcttg cttattaaaa ttttgttaat 180
tttagcaaag accaattgtt gtgataaact ggggtttttt ggatgcttca agcacacgtt 240
tacccatttt ttaaattccc ttttgggttc ttcccattgt cttaaatagg actttcatat 300
tattaaaacc ctcaaaagat gatccaccca ggatgaacca agatcaccag gggggagaaa 360
acattnttat ctttaccgaa acctgtaagg atatatat 398

<210> 529
<211> 402
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(402)
<223> n = A,T,C or G

<400> 529
cgttgctgtc gcttttaatg cccagtctct ccttcaaaag ccggctcctt tctctccctc 60
gccttcctag attccttctc cactccccag gatcagcctc ctcctcccca ccccaccact 120
gctgggggga tgtctgtggt caggcattta tcagagaccc tgaggtgggg gtcctttatg 180
tgtctggggg atggagagtc tagaggaggt agcgttcaga cctctccatg gtgcctctgc 240
tgggctcaca tgtgaccaag cacagcaaac catgaggcag gggatggtct tgaccatgag 300
agcccttgca gcagctgcca tgggcctcag ctcctctcca agctgggaag agccctgaaa 360
agccaaggtg ttttttttcc ctctttattt cagtgtaagt cn 402

<210> 530
<211> 386
<212> DNA
<213> Homo sapien

<400> 530
aaatcatatt acaccttcaa aatacacact ctgaattata aagatgtgtt tgttttcttt 60
ccaaatcatg tagaattgat ttccagttca aggataaacc aaaacaatat ttagaactat 120
caagtgatct aatttatttt cttttggctt cttctttaca tttactgtta ttttattatt 180
attagtagta gcagcaacag agtatgatat gacccaaaag ccattgtaaa gtgccacatt 240
accaaaatta attaagtaaa ctttatagcc tgtgggagtc tattataata ttattttgca 300
aaagagaaat atattattgt tcatgagact cttgtgagtg ctagatgtac catactttat 360
cttatttgag atagaatagc atgatt 386

<210> 531
<211> 385
<212> DNA
<213> Homo sapien

<400> 531
taccgctgcg agaagacgac agaaaggcag ggtctcactg tgtcccccag gctggagtgc 60
agtggcacaa tgacgactca ctgcagcctc aacctcctgg ggccaagtga tgctcccacc 120
tcagcctctc aagtggctgg gaccacagaa gtgcaccacc atgcctggct ttttttttt 180
tgggacaaaa ggggggaacc ttgtatgccc aaaatgggtt tcaacttcgg gaccaaaggg 240
agaccctctg ggtttggccc cccaaggggt ggaattacag aggaagagga acatggccta 300
gctgattcca gggtttaaca acaaaaaaaa cctcccccaa ctgccatttc taatatttta 360
aaaaaacccg gcccccaaac ttggg 385

<210> 532
<211> 389
<212> DNA
<213> Homo sapien

<400> 532
ggcacgaggg atttaagaac gttgcctcca agtttttgaa ttgtgaattt ttgatcatat 60
ttgaacaaaa ccccacctac agtctgcatg gtcattgttc tcacaagggt ttgtgtgatg 120
cactgacaag aacagaggct ttggaggtga ctcctgggtt tgaatcacca tttgccacta 180

gctaattcta accttaggta agtcagtgtc tctgggtctc aacctcttcc tctgtgaggg 240
gtaggaaata gcacataact tgtagcattg ttataagggc tcgtgataat gtttttaaaa 300
cacctgactc aagcactcag gaaaatgttg tattatgagg accacgtgtc tctgacagga 360
gtgacactag agtctggaga cactacact 389

<210> 533
<211> 402
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(402)
<223> n = A,T,C or G

<400> 533
ggcacgagat acttctaaat ttaaattgat gtgtatccat atacattagt ctatctaaaa 60
catgttgaat gaaaatggta cattacaaag acatacatag aacatttttg ttgaattcaa 120
aaacctaaaa cattggcata tactatttat gaacacttac acacatgagt aaaaattaaa 180
acatgcctga tatgtctggc acataatagg tgctcaggaa atatttgttg agtgaataaa 240
tgatactgag aatataacct gataatgtag gatagttctt agcctanata tttaaaacat 300
aagaattggt ggtcttaaaa ataatattta ttttcatatc ttttagatat gggtaagtgt 360
caccttacca aaggcaaaca ggctctagag attcgaagta gt 402

<210> 534
<211> 388
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(388)
<223> n = A,T,C or G

<400> 534
cgttgctgtc ggaaaagtca gtttttctag agctagttag gcaggccctc attcctggtt 60
tggtttcaat tgcagagagt tcttgtatct ctgcagggga atttctgact catggggtgg 120
gtccctgact ccttactcct ctctgattga gtgaaccagc atctggggca aatacgtagc 180
agtcagatgc tctgatgaat gtccctgttc agttctttga ctttttgta tcctccttaa 240
ataataatgg ttttaaagat aagcagaagc ctatctatag tactttatag atctcagcag 300
ggattattca tcttacagtt aatacaggaa gaaacatctt tgatacggaa agactagggt 360
gttaattcag caatctctgg ttaggagn 388

<210> 535
<211> 386
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(386)

<223> n = A,T,C or G

<400> 535
tacggctgcg agaatacgac agaacggacg aaagcgagaa tgagccctgt actctgtcat 60
gctccaaact gctgccccat ttttagacca cagagcaaga tgaatgctgt tggaaggaat 120
gtgtttatga cagagacagt ttttaatcca tcagagagca atacttgcga ctttaaatat 180
ggcatatggt gaaaaagtgt ccctgtgatg agtcagcaaa gaaaattatt tcacccctca 240
catatacgag ggcttgatta gctcactgat tgtagtttta ctagtgtgca gcacagactc 300
ttatttaaat atagcttgag ggaaaactct gacatcagaa tttgtgcatg ataaactgtg 360
ttgctcaaac ttcagaggtc tggttn 386

<210> 536
<211> 387
<212> DNA
<213> Homo sapien

<400> 536
ggcacgaggt ttatcgagga cacaatgagg atgccaaggc acagagaagt taaggaactt 60
gtccaaaatc accttagtga taactggcag agcttgaatc agaattcaag taatctggcg 120
tcatgtccaa taccactaac cattgcattc tgctgcctct cagaaataaa ccaggcatag 180
agtaaaattc atctgtagtt caagaaacaa tttattgaag cttccttttt ctgtcaagtt 240
tggaaaacgg gagagaagat aggaatcgag actgagaaga cgaccaagtg gttctgagct 300
gagagaactg ggaaattgaa ggacgtagat tagctaaggg aagatacaag tacctgaatc 360
cttctaaaaa ttttttttat tgaggtg 387

<210> 537
<211> 397
<212> DNA
<213> Homo sapien

<400> 537
cgttgctgtc gctaccttgg ctctttatct accttcattt tttaaaatgt atttattctt 60
cactagtttt ctataaagag tctatatagt tttataatca agaaaccaaa atccctcaat 120
ttactgagaa agaactattg gttaggagtg acaagcatgc ttgggaggat attttcttag 180
aaaagaggta agtgttgtaa aacaaaacaa aaagcgtatt tcttcttcta agatttcaga 240
agaattgaaa gaagaaaggt acatggctgc tttatcttca cccctagttt tatcctaagt 300
gtgccccttc agtctctgcc tatcactgag acagtctggt ggacagtgag aagcagcctc 360
ataattaccc tttggtattc tctgttaact ctcatca 397

<210> 538
<211> 397
<212> DNA
<213> Homo sapien

<400> 538
gaattcggca cgaggagaga gagagagaga gagagagaga gagagagaga gagagagaga 60
gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 120
gagagagaga gagagagaga gagagagaga gagagagaga gagagcgcgt gtctctctct 180
ctctctctct ctctcacaca cacaaagggg gggggggagac accccgatat attttttttc 240
tctctctgct cagtgcgccc ccccccctct ctctctctgt gtatatatat atatctctgt 300
tctctctctc tctctctcac ccctcttttt tttgcgcccc cctctctctc gagagatctc 360

tctctctttt tttcacaccc ccccacgcgc tcttttt 397

<210> 539
<211> 393
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(393)
<223> n = A,T,C or G

<400> 539
ggcacgagga gagagagaac tagtctcgag agcagnnntt ttttttttt ttttttttt 60
ttttttttt ttttttttt ttgttttatt ctttttttt ttttttttt tggggccccc 120
ccccgggcct taaaaaaggg ggggggccgc cacccggggg gggtgtaaaa caaacacaac 180
acaaacccaa ttaaaaagga aaaaaaaaaa tttctccccc cccccaaaaa aaaaaaaaaa 240
gggggtgttg ccccccaaaa aacccccctcc cccaaaaaaa agggggggg cttttttttg 300
tgcaaaaccc tccccccccc caacccaaga ggggcgcccc ccccccccca aaaaaaaaaa 360
agggggcggc tctcttctct tctctaaaaa aag 393

<210> 540
<211> 398
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(398)
<223> n = A,T,C or G

<400> 540
ccatcgattc gtgtccatat aaaattctag cccagaagtt ctcatctggg gtagattttg 60
gccttcagaa gaccaatttg gtgatgtctg gagacatgtt gggttgtcaa aactggggtg 120
gggaaaaggt tgctactgtg caatgcatac ctcctcaaca ccccccccaca ctcagtaaag 180
aattttccaa cccaaaatat cattagtcct gaggttgaga aaccctgtcc tagcctaact 240
gtgtacctct atagctatgt tttatagttt tagaatatta aaacctcaga tatttatgtg 300
ggtaggtact taaatggcca aaaactttaa ctatgaaatg ttactgtgta gtatattgaa 360
tataggaagt gatgaagatt ataggtattt tattcccn 398

<210> 541
<211> 387
<212> DNA
<213> Homo sapien

<400> 541
ggcacgaggt tagaattgac tggatagtaa caggtggtct ggtggatagc ggggagcatg 60
gctcagcacc agagcagagg cccagccagc cctctgcagc ccaaacgtcc ccaacggttg 120
cctggcacca tctctctctg atgagacgaa tctcattttc atttccatta acctggaagc 180
tttcatgaat attctcttcc tttaaaacat tttaacatta tttaaacaga aaaagatggg 240
ctctttctgg ttagttggta catgatagca gagatatttt tacttacatt actttgggaa 300

tgagagattg ttgtcttgaa ctctggcact gtacagcgaa tgtgtctgta attgtgttag 360
tttgcattaa gcatgtataa cattcaa 387

<210> 542
<211> 388
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(388)
<223> n = A,T,C or G

<400> 542
cgttgctgtc gagctagaga ngtctagctt gctctgtata ctcaacaana aaaaaggctg 60
tgcatttctt ccagtgcaat gaaactcata tggtgtccca ccttatttaa tgatggtaca 120
atgtaaaatc ttagtcaact tctgtagaaa gttttctcta tgaaagtaaa gctgtttgaa 180
aaaatattat ttttttacag atctttctat aaaaaataaa catcttttga ttgcttggat 240
ttaggaattc aatttttgtt tcaatgacca atgtcaagtt gcaagctttg tgtgttgcat 300
atttaatatt tctactacca ccgtatgtca actgggtaaa gccttccaga gctctctata 360
tacctgagag acttaaacct ttttttac 388

<210> 543
<211> 404
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(404)
<223> n = A,T,C or G

<400> 543
cgttgctgtc ggaagaattc gcggccgtag gagnnnnnnt ttttttttt ttttttttt 60
ttttttnngg ggaaaaacca aattttttt tttaaaaatt ttttccttt tgaaaacccc 120
ccccctttt aaaaaaccgg aaaccccaaa gggggttt tccccctgg gggttttacc 180
ccccccccg ttttaaaagg aaaaaaaaac ccggggcggg gggggcccc ccccccttaa 240
gccccccgg gggggaaaa aaaggggggg aaggcccggc cccccaaaaa aaacccgggg 300
tgggggaaa ccccccccc cacccccca aaaggggcc ccccgggggt ttggggaaaa 360
aacccgcccc cttttccccc aggggaaccc cttttggggg cttc 404

<210> 544
<211> 404
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(404)
<223> n = A,T,C or G

<400> 544
ggcacgagga gaactagtct cgagagcagt ttgtttggtt tttagcattt atgaggtgag 60
cccatgaagt tagtggtcca ttacttttta aagatgcatt ttcattttaa actgtctcct 120
ggcctgtgga tttgtggaat ggacagtttt gtgggtttta atttatttgt gaggagtcgg 180
ggctgagaag gcattttatc aggaggtctc cttttgcacg tccatgacat gagcttttcg 240
gaggcaaagg aagtagagga gggtgagaga tgcaggtcac tgccagaggc acctctgtga 300
cacggaacat tccagacacg tcgcagcctt gggcttcggc gaggaggaag tctgagcctg 360
tgaagcgaga aggccaggca gtagactggc tctgaggttt tgcn 404

<210> 545
<211> 403
<212> DNA
<213> Homo sapien

<400> 545
ggcacgagag gaattccaaa ccgaagcagg cagggtctgg aacccaaagg acagcatttt 60
ctacccactt cttaatattg acagcttccc cgttctattt aatgtccaaa aatgtttccc 120
aaaatttcaa actctttcac tgtaaagatt tgttacaaag aatgtggttt ggggaattac 180
cttattttat attgttgtaa acaaacttca aattctacat gtgcgacttt tctccttcct 240
gaagggtgtt tagtagtcag cgttttcaga attgttttgt tactatactt taacatttta 300
catttcctgt ttgtattatt ttgtgagagc aaggtgatca tgctgcttaa ggtccaagta 360
caacctattt gtacctttg agacaatatt tgtgttactt ttg 403

<210> 546
<211> 401
<212> DNA
<213> Homo sapien

<400> 546
gattcgaatt cggcacgaga gcgggggcgc aggctcgggc gcttctgtag gtactgcggg 60
aggtgcggga cgccttaatg tcaggatgcc ctgctcacat atcaatacca ttaaaacctg 120
acttctttcc ctgcactgtt gaagctcctt cttgaggctc acattatgga tataattttg 180
attctttctt cagcggtata gataactact tgtaacctaa gaacaacttg gtgaaagtcc 240
tctaatacat tatttttaa aaaaacacaa atcaatgagc tcaacttatt aactaacttt 300
catctattca tttttgagcc atccctgtct gattgtgaat ctccatgaat ccaacactct 360
gagcttggga tagtgcctac acaaaataaa aagaggtgga g 401

<210> 547
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 547
tgcacgagag tgtgcggagc tgggcctggc gctggggacg gagtctctgc tgctgctgac 60
ggacacggcg gacgtacact cgaccgtgga gggtgtcatg gacgccgcct ggtccgaccg 120
cggcccgggt ggcctcaggc tcctcatcca ggagtctgtg tgggatgaag ccatgagacg 180

gctgctagga gcggatgggg cggcttacga gtggcctacg gctgtattgc gccgaggaca 240
tgtgggcccg gagaggctgt ctgtcatgtg tacctgagtc cacgcgctat gagcgtgagg 300
ctcatagcca gggtgcacag gtgttccacg ctggtgatgt gccttctgaa cgcccattct 360
atcccccaac cttggtctcc aacctgctcc cagccn 396

<210> 548
<211> 388
<212> DNA
<213> Homo sapien

<400> 548
tttttggaaa ggatggtgta ttaaaccagc caaacagagt ctttggactt atattttata 60
tactacagct attacttggc atgacagcaa gcgctgtggc ggctttgatc ctcatgacgt 120
cctccatcat gtcggtcgtg gggtccctgt acctggccta cattctgtac tttgtgctga 180
aggagttctg catcatctgc atcgtcacgt acgtgctgaa cttccttctt ctcattatca 240
actacaaacg actagcttac ttgaacgatg cctggaagcg gcagctgcaa cccaagcaag 300
actgacgccc gacagactcc accctaacag tctcaagccc ctttccattc agtttatttt 360
gcagcgaggt tttattatta atattatc 388

<210> 549
<211> 401
<212> DNA
<213> Homo sapien

<400> 549
ggcacgagac tccaaccacc gtctcctggg ttcaagtgat tctcctgtct cagcctccca 60
ggtggctggg attacaggca cccgcaatca tgcccggcta atttttgtat tttagtagag 120
atggggtttc accatgttgg ccaggctgat cttgaactcc tgacctcagg tgatccgcca 180
gcctcggcct cccaaagtgc tgggattaca ggcatgagcc accgcgactg gcctctgtgt 240
cttccttctc caatgagtca gtgccccaga catatagcca caggtgagaa gacagaatta 300
gaagcccctt cccggcctgg aatcacctgc actccagatt tttctaattt ccttctttcc 360
ctccaggcct ttcaactata gatctggatg agtcatgcag g 401

<210> 550
<211> 395
<212> DNA
<213> Homo sapien

<400> 550
ggcacgagga ttttttttgca tttctttaca ctgagtgtaa aactctacaa agagttatag 60
tatttactac tttgaggttt ccctcacaac ttctggctcc atacctagcc cctcttttat 120
aatcttcctt aaaagaaaga gtgtagccta taaatactaa atatgatacc ttttccttct 180
agaaagtgtt tatttatata tctatacatg ttgtatgtac aaatatccta ctacttttaa 240
tctgattttt cttcaggatt attgagtagg ttgtgaattt tctttcttaa aaattgtaaa 300
acataatggt acccaagttt taaacttaga tgtgcttcat cttagtgaaa tttaattcac 360
aaggaatcat aaattgtgtt tttgaggctg ggcgc 395

<210> 551
<211> 397
<212> DNA
<213> Homo sapien

<400> 551
attcgaattc ggcacgagga ggacgagagc tcattggagt cttaaactct ctgatatcac 60
ttaaagctgg agggtatttt aaaacaaatg aagcatgggc cacctcatga tgcatcggct 120
cctctctggt tgaggcgagg gaaaattgga aaaactgggc gagtaattat caataatttt 180
ttttaaaaag aggatcccaa actgtaaaag attgaaataa tctttctcag gatttttaa 240
atgtctaaga ttatgatgac atatctccca cttaccttat aagtaaaaag gttaatatca 300
agtaacttat tagctcttaa agtaaaattg aacttattaa aagctatcta tgatttaata 360
gatttaataa aattccttca cgacctggga cccttgt 397

<210> 552
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 552
ggcacgagga gagagagaga gagagagttt tagttttaga gagagagaga gagagnnnna 60
tgagagagag agagagagag agagagagag agagagagag agagagagag agagagagag 120
agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag 180
agagctctct ctgagagaaa cactccctct ctctgtgtgt gtgtgtgtat acattcccta 240
cacatatctc ttttttttt ctaggtgtgc gtgtgcgccc tctctctctg tgttttatct 300
ctctcccccc tctgtggggg ggggagacac ccccccccct ctcacacaca cgcgcctttt 360
ttgtgtcaca cacacatatc tctcccccc ccctc 396

<210> 553
<211> 400
<212> DNA
<213> Homo sapien

<400> 553
ggcacgagct ctcccctcct tttaaatgca aatgagtaga aatttcttct accttcccca 60
gctgtttctt cccaccttta gagttgttta gacaaggagg agtaagcaag gaacttgttc 120
tgctttctat cgtggtcaca ttggtgatgc tcaggacctg ccagggtcag aatttatgga 180
tatctgaacc ctgaccccgt tcattctctc agtccacttc caatccacat cagtttgttg 240
tctgccttgg agagaagagc caaaactggg gtgggcgggt gggtggggag tgcaggatat 300
aaatgtgtaa gtttttgttt tttaaggttt ttttcttagt gaattattca cccacagaca 360
tgagagaaaa aaagagggag ggtgtgtgga gaaaaaatgt 400

<210> 554
<211> 399
<212> DNA
<213> Homo sapien

<400> 554
ggcacgagag aaaatcaagt ttgaccagtg cagtttctaa gcatgtagcc agttaaggaa 60
agaaagaaag agaaaaaaaa aaggcctgga tactgctttt gctgtctctg ttatgagatg 120

gaaaacttac atgtttgtga taaaagggga ccatgagaat gaattggctt ggcttacttt 180
ccccctgaaa tcctctctcc tgcagactgt cttgaaaacc tggtgactgg taaataaagc 240
cctgcatgga ggctgcacag caggggcaag aggcccatcc cccagcatct cactgaggac 300
agcttcaggc tgccttcctc tgaacgtggt ccacaccttc ctctcctcca cagagagggt 360
gccgccagaa tcccctgtcg ctttctgtgt ctgcaatgg 399

<210> 555
<211> 390
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(390)
<223> n = A,T,C or G

<400> 555
tcggcacgag gctgtatctc taggtctcta taaaccttaa taaatatata gttcatagaa 60
aaccttattg gaatgtccct tatattcaat taaaagataa attaaaacct cagtcaagat 120
agcagcttct aaggcatcaa aaacacttat taagttctat actctttggn tattttcata 180
atcccaattc taaaaaaaat aaatggattc agcacattaa aatccgacat tttggatggg 240
aattgccggt acagtactat taaggtgatg aaaaatggct agccttacat ataaactctg 300
cctattaacc taattttgga ttattatacc atttaagaaa cctaaccttt agaaaaggat 360
taatggctcc tatataccct accttccaaa 390

<210> 556
<211> 403
<212> DNA
<213> Homo sapien

<400> 556
cccatcgatt cgaattcggc acgaggtttt ctcgtgtggt attcaagact tcttttcttc 60
tcctggactt caggctgttt ttgtacaaga gcgcatactc atttctttct ctctttttca 120
aatgtgacta aatcacactt cccagggaca ccaagctgtt tctgattgca actgtaacag 180
cctgtgtacc agctgggatt tttgtattaa gcagctctat ggggctacta taccagcaga 240
aaattagaag tcttgctcta aaaagcattt tcagcaaata cttggtttgg tcttacaagt 300
tttactggcc tcatttgtca gctaatggat caaaagtgat tgggactgcc tcgagctttt 360
ttcaagtatg gtcttagatg tgagtcagag aatattatct att 403

<210> 557
<211> 392
<212> DNA
<213> Homo sapien

<400> 557
tcgattcgaa ttcggcacga ggctcatcct gcatcgctcg gtgtctgggc tgaagcagac 60
actgctggcg gagtccgagg ctctgaccag ctacagccac cgggtgttct cggcctggga 120
cttcggtctc tgcgggacgt ccacgtgcgg ctgcgccagc gcatcatctt gtacgaatta 180
aaggtggagc tggaggagac agtggtgcgg cgccaggctg cggtgcggac gctgggccag 240
caagccaggg tttggttggt gcgggtgctg ctcaacctgc tggtggtcgc gctcctgggg 300
gcagccttct atggcgtcta ctgggctacg gggtgcaccg tggagctgca ggagatgccc 360

cttgtccagg agttgccact gctgaagctt gg 392

<210> 558
<211> 392
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(392)
<223> n = A,T,C or G

<400> 558
cgaattcggc acgaggctca tcctgcatcg ctcggtgtct gggctgaagc agacactgct 60
ggcggagtcc gaggctctga ccagctacag ccaccgggtg ttctcggcct gggacttcgg 120
tctctgcggg acgtccacgt gcggctgcgc cagcgcatca tcttgtacga attaaaggtg 180
gagctggagg agacagtggt gcggcgccag gctgcggtgc ggacgctggg ccagcaagcc 240
agggtttggt tggtgcgggt gctgctcaac ctgctggtgg tcgcgctcct gggggcagcc 300
ttctatggcg tctactgggc tacggngtgc accgtggagc tgcaggagat gcccccttgtc 360
caggagttgc cactgctgaa gcttggggtg aa 392

<210> 559
<211> 388
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(388)
<223> n = A,T,C or G

<400> 559
ccgagaattt atacaggact gaaaaccgcc tgaaacctgc tgcaactatt gttattaact 60
ctgtatagct ccaaacctgg aacctcctga tcagtttgaa ggacattgat aaactgtgat 120
tttacaataa cattatcatc tgcagttact gtttacaaga ctgcttttac cttaaacttt 180
gtagatgttt acatcttttt gttgtgtttt aagatgatgt tggtaatttg tgcctttagc 240
tctgttttat tagacagagt taaagcatgt tgtcttcttt gggttacact caggggggctg 300
aaaggcaagt tgatttttat ttttaacaca cttgaaaaaa ggntggaaga gcccgacttt 360
catatataac ttgggggata tcaacctg 388

<210> 560
<211> 393
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(393)
<223> n = A,T,C or G

<400> 560

ttcggcacga gcagaagttg tcctattaac ttttttttg gtctgaggtt atgtacttct 60
tgggagaaaa agtggttctt ccatcaatat caaaccttcc cttcatttct ctagttgaac 120
tggtgcacga gtcctcctca ctccaagcat gttggccctc ccttcctcga gtagaaatac 180
ggctttccac ctttttatca gaactcctat tcatgcttct caaacagggc ctaggatagc 240
agaggctcag cagccagagg gaaacaggga ggaagctgtt tctccatccc cagagatgta 300
agctgggcga gagtgtcagg gcctggccat accactgnac ctcagaaaat gagcctgggg 360
gacagtacta agggtgtggg ggggcaggtg tgn 393

<210> 561
<211> 402
<212> DNA
<213> Homo sapien

<400> 561
cgttgctgtc gcaaaaatta tacaaaaagt aaatttgagg ttttataata tagaagcaaa 60
caaacgtatg cacttaaatt ggagagcaac aaagaacagc agaacataag aaattttcct 120
tgtggtaact ttccatcatg aagaaaagtt caattatgat cagtatacac tgcttaagaa 180
ggcacaaatg tggaaagact ttcttgtttt tgtaattcaa gaggtacttt ccaaaaatct 240
tagaacacat gatttttaa ataattatga tcagtataca ctgtttaaca agataaaaat 300
gtagaaagac tttaattttt taattcaaga ggtagtttcc aaaaaatctt ggaacacttg 360
attattttta acaattaatt cctaagaatt agaggtctta ct 402

<210> 562
<211> 402
<212> DNA
<213> Homo sapien

<400> 562
cgttgctgtc ggtgggagag aagtattcac attctcaggc tccaggcctg tgcaaccaga 60
ggagtggaat tgtcattgaa gggaggcggg aggaggggtg atggtgttag aagagataat 120
atgcatgtgg ccacccccac aaacctttag gaatgcagtg cataattagg actaaaggca 180
ctgatttgga tgtggtgggt gataggtggt ctgtgggagt aaatgagatg aatgagacac 240
tagaagtagg ttggaaatag aatcctgggg acaagaatca gtggagaaag aggtgactgt 300
gaaggaatca ggatgcaaga agagtcagta aagtttagcc ttcaagaagt caacagaagg 360
gggagaattt gaattctgtt ttcaacctgt tttggttgga gg 402

<210> 563
<211> 387
<212> DNA
<213> Homo sapien

<400> 563
aattcggcac gagattgact gcagaattaa atccaaatgt ccaaataagg catattatga 60
tttagcatca ttccaccttt agcactgtct ttcactacct ttatgcatgt cttgttttat 120
ctaaagcaga aatgcctttt ctaatgccct tctgtcctcc agaataccct ttctttactc 180
atgtttttt ctctaaattt tacccatctc cttaagtgtc cattcagaat ctattcttta 240
ccacaaaccc ctcaccaaga acacattata ccttcttatg tcttacagca ctttacacat 300
ttttgtcttg catcatagtt ctttgcatat catttttac aaaattatga attcctcaat 360
attaacaatt gtcttgttca cttattg 387

<210> 564

<211> 388
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(388)
<223> n = A,T,C or G

<400> 564
ggcacgagct gaaagtatgt ctggcaaaac ctagaactgc atcctagcca tcactgtacc 60
ttctgccctc cctgctgtct cctctgccag ttacagttaa aaggttgtgg gtgaggacgc 120
tgggcagagt cccaggcgtc tgctgtcagc tccccagccc ggcctgcctg ccgagccatc 180
tgggcgtccc acggtggaga gtgtggtgct tgtgacgcgg tggtgctggg agccatcctg 240
gtggcagatg tgggctctca ctgcaagtca gtgtaagtcc ccagggactg tcagcagcac 300
gtcctgctgc ccctctctct gcagaagccc tggtaacctg cgtttggaaa aatctctaag 360
gatttctgag gagctgtcag gccatgtn 388

<210> 565
<211> 399
<212> DNA
<213> Homo sapien

<400> 565
cgattcgaat tcggcacgag gcggggcaca gtggctcagt cctgtaatcc cagcaccttg 60
ggaaggccaa ggtgggaaga tcacttgagg ctaggagttt gagacaagcc tggccaacat 120
agcaagaccc catctctaca aaaataaaaa ttttaaaaag ggctggggca tttgagctgg 180
gtcccaacag tagacaagta gaaaaggcat ggagagggca taccaggtgg gaggagctgt 240
gtgcaaaggc ctggagatgg aaaagcatgc tggccaccag cttctgacaa gcagtttagt 300
atgaacggta tgcatggaaa gagggaagga gggcagaggg gtgcgcacga gcacccgtta 360
gtgtccttaa atgaccagca tgggaacctg gtctctttc 399

<210> 566
<211> 402
<212> DNA
<213> Homo sapien

<400> 566
ggcacgagga actagtctcg agagcagttt ttccacctcg gcctcccaag gtgctgggat 60
tacaggcatg agccaccacg tccgtgccca aatatgtatt taatttaaat ttcattttaa 120
tgtgtttaag ggatgaaagt aaatacatgc ttgttacaag ccattcaaat gtagaagtag 180
gaaggtggct gcccggcctc ccctctcctg ggaggatctg tggtgagcaa gtcggatgtg 240
catccttctg gtctttttc tattaacgac tctttgctgg atttgctgtt actaggcttt 300
cgcagcaaac gtgggattgt tgtggaaaat gctttgctgg gagaagggga gccggagatt 360
cacaaaagga ggctcccgtg ttcatttgcg tatttggcag ct 402

<210> 567
<211> 395
<212> DNA
<213> Homo sapien

<400> 567
ggcacgaggt tacacctctc gcatactggt gtccacagag cagccatctt agctggaggt 60
gtcgagtgcc tcccccaccc cccaccatgt gcttgagtgc acacccggcg ccaggccctg 120
atcctggcac ttcttgtgaa tcacaccgtg tcatacccat gacttccatt gcacagtggg 180
gaaactgagt ctagagaggt gaaataacat gtctaaagtc acaggaagtg aaaaagctga 240
ggacatggag ccagttgccc aatgacagga gagctgaaat gtcctcactg ctgggggtag 300
accgggcctc accagcttcc tggagagtca catgtttgtc tgcatcctca gggggctcgc 360
cggttctcca gcccggactg ctgccagagg cttct 395

<210> 568
<211> 399
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(399)
<223> n = A,T,C or G

<400> 568
cgaggaaaac tgatagattt ggcatatacg cctttccatg ctgttctcaa gtgtggccac 60
ctaactgctg atgtacaagt cttccccagg ccagaacctt ttgttgtaga tgaagaaatt 120
gatcctatcc ctaaagtcat taacacagat ttggaaatag tgggatttat tgatatagct 180
gatatttcaa gtcccccagt tctgtccaga catctggtct tacctatagc acttaacaaa 240
gaaggtgatg aggtgggtac tggcatcact gatgacaatg aagatgagaa ttcagccaat 300
cagattgcag gcaaaatacc caacttttgt gtcctgctcc atggtagcct anaagtggaa 360
ggaatggtag cgattgttca attaggtcct gaatggcag 399

<210> 569
<211> 389
<212> DNA
<213> Homo sapien

<400> 569
ttcgaattcg gcacgagagc aactagggcc ctcatcactt cgccgccgaa tccccggcgc 60
cgcccagcgg ggcagagcca ggccagggcc gcccgcccaa cctggtccgc tgcctcttcg 120
gccatggaag ctgccggcag ccctgcggct acggagacag cttctccact cttcctcctc 180
ctccacctcc gcccatgaaa tggtgcactc tccctttaag actaagatgg tggcttgcta 240
cgatcgggac tccacttccg gtggggaggg gggcgggacc ccagcccgct cacgccggaa 300
gtggtttgcg ttttcaagat ggcgactccc tatgttactg acgagaccgg cggggtggga 360
accgccaaac ctctcccttc tttttgacc 389

<210> 570
<211> 402
<212> DNA
<213> Homo sapien

<400> 570
ggcacgagga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 60
gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 120
gagagagaga gagagagaga gccccgcgcg agaaaccccc ccgtgtgtgc acacacacac 180

actctctctc gtgtgtgagg ggggggtgtg tgttttctct ccactctctc tgtgcgctct 240
ctctttttgc gcgctcatat atctctctct ctctttttt tgtgtgtgtg tgcgctcgcc 300
ccacacacac acagtggggg gggggtgtgc tctctcttct atatacacac actctcctct 360
ctctcttgtg cgcccccaca gagagatgtg tgtcttctct ct 402

<210> 571
<211> 401
<212> DNA
<213> Homo sapien

<400> 571
gaattcggca cgaggcggct tggagtggtt cagcagttgg tggagaaggg cgccaaccct 60
gagcacctca gcgtgctgga gaagaccgcc ttcgaggttg cactggactg caagcacagg 120
gaccttgtag actacctgga cccgctgacc accgtcaggc ccaaaacagg tcaggctgca 180
tgcccccccgt ggcttcacag aggaccccaa attgtgttta tgtggcttaa gctgaggatt 240
gctctactgg aaggacacgc agaactcaga gtccagccct gcagaccact gagactgagg 300
aagtggtgtg cttaagtatc gggggggattg cctgagacat gacagttctg ggcccactct 360
tttgagagcg atttggttgc cctgggcaag agcctggaaa c 401

<210> 572
<211> 401
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(401)
<223> n = A,T,C or G

<400> 572
cccatcgatt cgaattccgt tnnnntcgat ttccccatgt catcaagtag tgactgaaag 60
catacttttc gaatgattgc ccaataatcc gttgagctgc tgtgtcaaaa tttgctcaac 120
agatcctcat tgctggatat tcaggctgtc tctaatctgg agtggctgta aaccatgaac 180
atcctggagt gtaaatctct gtgctgatct ctgatccttt ccttagatat aggcatatag 240
gtacaacgaa taggtcaaag ggaatgcacc tttttaacaa ggggatttta atgacaaatt 300
taagtgttcc taaataccta tcagtgcagc atctgattac tgggatttat tgaaaattat 360
ttttttaaag atcagagagg ccaagtgtgg tggttcatgc c 401

<210> 573
<211> 393
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(393)
<223> n = A,T,C or G

<400> 573
ggcacgagga gtcactgacc ttcatccttc accctggtcc tccatggtgc agcagcantt 60
catgggcctt gtggctgtca gagcccgtgg ttggaacccc gtccactggt cccaaacctg 120

gaggggcagc tgcagatgag gtttagacct cctggtgtct ccgtggattc tgagtgccca 180
ggaggggagg ggaggggtg gcatcctggc ctctaggata aatgcctgga gtatagggca 240
gcgccacggg cacttggaga ccctgtcctg cgcatctgcc aagcctggca gtttttagag 300
ttttttgaaa tgttttgata ctttttgata caatttgcta ataactgttt tgtagaatgc 360
ctgccggggt tttccacctc atccctttcc tcc 393

<210> 574
<211> 397
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(397)
<223> n = A,T,C or G

<400> 574
gcacgaggct gcccggagct gcctgggttg cgctgccggc cacgtccccg cgccgggcct 60
caggctcctt cctactgtcc gagggccacc aggccgccgg gggcctgctg cgcccggatg 120
cgtctgttac tagagtggag agtctacctt cgtctcacat gtgccacaaa ggatggcatg 180
gcccgggagt gccccaccac gtggctttca ccccctgcaa agccagactt cgcccagcga 240
cacagtgtca agcccacagc tctccaagga ggaagatggt ccaggctggg agcatccccc 300
tagcagcagc ctctgatccc ttggccaagc aggagggaac cattagcagc ctgaggagct 360
ggctggctgg gagcctcggn gaccgcccag ccttgct 397

<210> 575
<211> 397
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(397)
<223> n = A,T,C or G

<400> 575
cccatcgatt cgaattcggc acgaggctta gggaacagga gtgaacagac ttcagcccca 60
cctggcaggg gctggctccc gaggttgggc ccagtccctg agggtctgct ctgctacggg 120
tctgcccttg agtggccttc cgtggagggt gtgtgaccag gtggatggtg cagggcctct 180
ggagccctct cctcaggagc agtcctcagc ctttttctgt aaaagacttt tctttggtgt 240
tctaggtggt cagcaggttc caggctggtg tttacaatct cggaggaagt gcgatggttt 300
ctgttctttt gacagttcag tctgatttca agtcagtcga aagcgaacca gaagcaccgg 360
gcacagcagc tcctctggct gtgtagacag acctggn 397

<210> 576
<211> 394
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature

<222> (1)...(394)
<223> n = A,T,C or G

<400> 576
ggcacgaggg tagggctgtg ctgcgcggtc cttcccattc accctagtct ggcgctcgcc 60
ggcgtgggcg ggccggacct tcgccgcttc caggaagggc cacaacggcc gtcggaccac 120
ggcgcggcgg ccagttcctt tatagttttg ttcagaaaaa catatggaga cgtttatacc 180
cattgatttg acaactgaaa atcaagagat ggacaaggag gaaaccaaga caaaaccaag 240
acttttaaga tatgaagaga aaaaatatga agatgtgaaa ccattagagt ctcaaccagc 300
tgaaatagca gaaaaggaaa cattggaata taaaacaagt agaacaatct ctggatcttt 360
tgaagcngag gaaaccggag gattacctta gaga 394

<210> 577
<211> 386
<212> DNA
<213> Homo sapien

<400> 577
ggcacgaggg gaagtgccag gaagaggagg gtggccatgc ctggccattt cctgatacct 60
gtgctagtga cggccgcggt gtgtccactg gaaagaaaca ctggcgtgca cggctgtgac 120
tgtggtttca gcagttctga gacaagagcc ttccaagtcg ggggctgggg agcagagtgc 180
gggagctcct gagtcctggg ggcctccgcg cctcacagca tgggcacatg tgggacagaa 240
ggcctaatgg ggtgcctgag ggtggcctgg ttgctgtccc cccagggtgg gaccatgagc 300
gagtaggggt ggcacacggg ctcagctctc tgtggccggg gtggctcctc ttgcgggact 360
caacgtcagc cccaaggcga tgttca 386

<210> 578
<211> 386
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(386)
<223> n = A,T,C or G

<400> 578
ggcacgaggg ctcctggaaa tgaagatgag ctccacctgg cacccgagcn nnttggctgt 60
ccccccctcac tgaggggggcc ccccgcaccc gggaggagac gcgggacttg gtccacgctc 120
cgttaccctt gacctggaaa cgctcgagcc tgtgtggtga ggagcagggg tcccccgagg 180
aactgaggca gcgggaggcg gctgagcccc tggtggggcg ggtgcttcct gtgggtgagg 240
caggcctgcc ctggaacttt gggcctttgt ccaagccccg gcgggaactg cgacgagcca 300
gcccggggat gattgatgtc cggaaaaacc ccctgtaagc cctcggggca gaccctgcct 360
tggagggaga ctccgagcct gctgaa 386

<210> 579
<211> 386
<212> DNA
<213> Homo sapien

<400> 579

ggcacgagga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 60
gagagagaga gagagagaga gagagagaga gagagagaga gagagagagt ctttttttt 120
ttctctacct ataaaaaccc ccccccgtgc gtgtgtgtgg gggggacac ccagaaaaca 180
cactatattc tctctctctc tgggcgcgcg agagagagca cacacggggg ggaggggaga 240
aagcacgctc tccccccccc ccgtgttttt ttttttttt ttggcccccc cccaacaaaa 300
aaaccacctt tggtttcccc ccccctccgg gagaacaagc cctttccccc tttcccatta 360
aaacagccct tccccccccc ccccct 386

<210> 580
<211> 399
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(399)
<223> n = A,T,C or G

<400> 580
gattcgaatt cggcacgagc tcacaccaca gctgagaggg aaaggaaggt tggaatggcg 60
gatcgccaag cgcgccccca cctctcctgt ggtactgggg tccctaaagc cgacccccgc 120
tccggcgggg ctcgccggcc cccaagtcgc cagccgctta cctcacaatc ccgcttggac 180
tgcatggctc tccagctggc cccctcgtac cctctttata acttcctccc caccggcctc 240
tggaagcttc cctacccctc caccccgcaa gctctcattg gctctgagcg cgaccccgcc 300
tcccaggggg gtggaggtat ccactgcacg tgcgccgccc gggcttcgct cagaccttca 360
ggtgaaagct gcaaagtcgc gggtgcgtat gtacggngg 399

<210> 581
<211> 394
<212> DNA
<213> Homo sapien

<400> 581
ggcacgaggc agcctgtcgt acggtccttc tgtgggtctg tcggtgccga gggcaggatg 60
gagaagctgc ggctcctggg cctccgctac caggagtacg tgactcgtca cccggccgcc 120
acggcccagc tggagacagc agtgcggggc ttcagttacc tgctggcagg tcgattcgcc 180
gattcgcacg agctgtcaga gctggtgtac tctgcctcta acctgcttgt gctgctcaat 240
gacgggatcc tacggaagga gcttcggaaa aagttgcctg tgtcgctgtc ccagcagaag 300
ctgctgacat ggctgagcgt gctggagtgc gtggaggtgt tcatggagat gggagctgcc 360
aaggtgtggg gtgaagtggg ccgctggctt gtca 394

<210> 582
<211> 390
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(390)
<223> n = A,T,C or G

<400> 582
ggcacgagga ggatgtggac gctgcggagc ccgctcaccc gctccctgta cgtgaacatg 60
actagcggcc cgggtgggcc ggcggcggcc gcgggcggca ggaaggagaa ccaccagtgg 120
tatgtgtgca acagagagaa attatgcgaa tcactccagg ctgtctttgt tcagagttac 180
cttgatcaag gaacacagat cttcttaaac aacagcattg agaaatcggg ctggctattt 240
atccaattat atcattcttt tgtgtcatct gtttttagcc tgtttatgtc tagaacatct 300
atcaatgggt tgctaggaag aggctcaatg tttgtgtttt caccagatca gtttcagaga 360
ctgcttataa ttaatccaga ctggaaaacn 390

<210> 583
<211> 391
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(391)
<223> n = A,T,C or G

<400> 583
ggcacgagaa aacgatatgg aaatgtaatt taaatgggtt ccaggtctta nnaaaagcgc 60
agaagagatg gtcaaaaaca aattggaatg gaaaggataa actgacccct tgggaacaat 120
ttttagagaa gaagaaagag aaaaaaagac tgaaaaggaa acagaaggct cttgctgaag 180
aggccaatga agaggaactt ccctctgatg ttgatttgaa tgacccatac tttgctgaag 240
aagttaaaca aataggtgta aataaaaaat cggtgaaatc tgcaaaagat ggcacatctc 300
cagaagaaga tattgaaata gatagacaaa aggctgaaat ggctttgctt atgatggatg 360
aggacgagga cagtaagaaa cacttcaatt a 391

<210> 584
<211> 396
<212> DNA
<213> Homo sapien

<400> 584
ggcacgagca gtactagagt cttcggcttc gctcacgcgc cttgggcata agagtcctct 60
cgttggtccc ggaggtgggg ttgcgctcac aaggggcgac cgtcgccacg gtggcggcca 120
ctgcatcgcg tcccacctcc gcggccctgg gcgccgtggt gtcgacgggc cccgagccta 180
tgacgggcca gggccagtcg gcgtccgggt cgtcggcgtg gagcacggta ttccgccacg 240
tccggtatga gaacctgata gcgggcgtga gcggcggcgt cttatccaac cttgcgctgc 300
atccgctcga cctcgtgaag atccgcttcg ccgtgagtga tggattggaa ctgagaccga 360
aatataatgg aattttacat tgcttgacta ccattg 396

<210> 585
<211> 385
<212> DNA
<213> Homo sapien

<400> 585
ggcacgaggg aacaacctgg gcaggatccc acctcagacg acgtcatgga ctcgttcctg 60
gaaaagttcc agagccagcc ttaccgtggc ggctttcatg aggaccagtg ggagaaggcc 120
aagacctata aagatgaggg caatgattac tttaaagaaa aagactacaa gaaagctgta 180

atttcataca cttgaaggct taaagaagaa atgtgcagat cctgatttga atgctgtcct 240
ttataccaac cgggcagcag cacagtacta tctgggcaat tttcgttctg ctctcaatga 300
tgtgacagct gccagaaagc taaaaccctg ccacctcaaa gcaataataa gaggtgcctt 360
atgccatctg gaactgaaac acttt 385

<210> 586
<211> 398
<212> DNA
<213> Homo sapien

<400> 586
ctcatccccc cagagtcact gcagcagcca tcctagttcg acgaagcgga gcaggtgtgg 60
gtgtgggagt acgagacgga ggaaggagca cacgacctct acatggacac cggcgaggag 120
atccgcttcc gggtggtgga cgagagcttt gttgacacgt cccccacagg gcccagctca 180
gcagatgcca ccacttccag tgaggagctg ccaaagaagg aggctccgta cacgcttgtg 240
ggatccatca gtgagccagg cctgggcctt ctctcctggt ggaccagcaa ctagccctgg 300
ggctggacag tggaccctac cagcctgcgg gaaggtggta tggccggctg tgaagacaac 360
agcagctgag gccgatgcta aggagatagt gtctcgag 398

<210> 587
<211> 389
<212> DNA
<213> Homo sapien

<400> 587
ggcacgagcc cgcgctcgcc gcacgcacgc gcactgcgcc cagcatgagg gtcgcggctc 60
tgatcagtgg tgggaaggac agctgctata atatgatgca gtgcattgct gctgggcatc 120
agatcgttgc tttagcaaat ctaagaccag ctgaaaacca agtggggtct gatgaactgg 180
atagctacat gtatcagaca gtggggcacc atgccattga cttgtatgca gaagcaatgg 240
ctcttccccc ctatcgccga accataagag gaaggagctt ggatacaaga caagtgtaca 300
ccaaatgtga aggtgatgag gttgaagatc tctatgagct tttgaaactt gttaaggaaa 360
aagaagaagt agaggggata tcagtaggt 389

<210> 588
<211> 397
<212> DNA
<213> Homo sapien

<400> 588
ggcacgagat caaggaccat gattttattc tcttcaaata gtatattatc aaatgccttg 60
tcatggggag taaaaattct tcatattgat gacattagat actacattga acaaaagaaa 120
aaagagttgt atttactcaa gaaatcaagt acttcagtaa gagatggggg caaaagagtt 180
ggtagtggtg cacacaattc ttgaagaaga tttaaatagc ctttttgata gggggaagat 240
atgtgccatc tttattgtgc catttttttc tttatgtctt taaggtggtt ttatattatt 300
ctttgtagaa tcccactatg gtatttttat aatatattgt atttttatg ggaaattttt 360
ctcatctctt ctaaaatgtt attcttttta ttattat 397

<210> 589
<211> 381
<212> DNA
<213> Homo sapien

<400> 589
ggcacgagga catgaagaag acgttcacgg agcaacggct cagaaatgga agctcaattc 60
taactcagga ttctcatgat gataacagct tggtgaccaa ggaagagaaa tgggtcacta 120
gtatgaatga gattgactgg ctccacgtta aaaatttatg ccagctagaa tctgaagaga 180
agcaagttaa aatatcagca actgttaaca caatggtgtt tgatattcga attaaagcca 240
taaaggaatt aaaattaatg aaggaactag ctgacaacag ctgtttgaga cctattgata 300
gaaatgggaa gcttctttgt ccagtgccgg acagctatac tttgaaggaa gcagaattga 360
agatgggaag ttcattggga g 381

<210> 590
<211> 374
<212> DNA
<213> Homo sapien

<400> 590
ccatcgattc gaattcggca cgaggtgatg atcgcatgtg tttacaatac acagagacgc 60
ccagtgctgg caagactata ataaagcgag cgtactcaca ccactgcggc tggcaccaaa 120
aaccgggatt gcagtggaaa tgtttttgga aagcagtttg gcaactgtca acaaagcgac 180
tacagaacag ttgtcaatga gacacagaaa tacgaaggag aggagggagg gcagaaaccc 240
agttaacaat gtaagcgggc acggagggaa gatcagcgtg caaagctagg tcggcaagac 300
gtgcaaagtg cacccacagc cataacaatc cctccccaga ccccaacgtg tcctcacggt 360
ggtggcagtg gccc 374

<210> 591
<211> 378
<212> DNA
<213> Homo sapien

<400> 591
ggcacgaggc gtgtggagct gaagatggat ctgcctgggg tttccattgc agacgagggg 60
gagactggca tggtcttctt gtgcaccatc cggggtcacc agttattaga ggaagtaaca 120
caaggggata tgagtgcagc agacacattt ctgtccgatc tgccaaggga tgatatctat 180
gtgtcagatg ttgaggacga cggtgatgac acatctctgg atagtgacct ggatccagag 240
gagctggcag gagtcagggg acatcagggt ctaagggacc aaaagcgtat gcgacttact 300
gaagtgcaag atgataaaga ggaggaggag gaggagaatc cactgctggt accactggag 360
gaaaaggcag tactgcag 378

<210> 592
<211> 378
<212> DNA
<213> Homo sapien

<400> 592
aattcggcac gagcagcagc catggccacc tgcatgccag tccttcgtgt attgctgcgt 60
atgagcgccc ttccttggat gtggatttcc atgacatggc ctttctcacc ttccttactt 120
cctgtcctgc tatgtattgt gtcctaccat gaattcactc catgctagcc acattggcct 180
gtatggctat tccttggaca cacctaggat gttcttgcct cttagcttgc ctacctttct 240
ctcatcattt gggcctcagc gaggatatca tctcctcaga gaagccttct gtgaccatgc 300
tatctaaaat actccagcac ttcagtcacc ctttatacca ttactctgct tttttagaaa 360
cattggtgct ccctgaaa 378

<210> 593
<211> 374
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(374)
<223> n = A,T,C or G

<400> 593
cgttgctgtc gaagagttca ctggtggtta ttttttgttt tgtgtgtgtg tgtgtgtgtg 60
tgcgtgtgtg tctgtgtgtg gggtcttcct gtttgtcaat aggccttccc aattaattga 120
attctacata agatacatag atgttagtgc cccatagggc ctcatcttgt aagtgatgtt 180
agtggagtaa atggtgatat accattttca gtaagaagcc tgagtcagtg tagaaagtaa 240
aagttggtca tctgggcttg aggcaaatat tctgccttca ctacatatga agtcctgtga 300
ggatgggcca gagaatcata caagaaacat tgttttcatt ntttccacca tctctcccac 360
cagtctttct tgtt 374

<210> 594
<211> 368
<212> DNA
<213> Homo sapien

<400> 594
tggattcgaa ttcgcacgag attcccttta tattgtaaag gccataagga cactttaagt 60
aatcaaattt ggcatcacca ttggaacaaa catgtgcctc ttcttttgat gtgatagaaa 120
ggaccatcac ctttatagta tttgtgccaa aaacatttaa tttgaacata ataagaaaac 180
atttagacaa attcagatgt gcggaacaat gtgcaaaaca gctgtcctga atgcttcaaa 240
tataacaata ttatgaaatg ttttatataa taggccagag acatgccaac taaatacaat 300
gagcgaccca ctagtaacaa cttaataaat attcaggccc ttgtttagac agatgggaga 360
catctgag 368

<210> 595
<211> 374
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(374)
<223> n = A,T,C or G

<400> 595
ggcacgaggt gaagagtggc agaacttaaa aatgggtcca caaagccaaa tgagagcccc 60
cttccccaat tcatacagtc tgctttcctc ttgtgagtca gggaaataga tctggctaag 120
gaaggatgaa gtcttaagct ggggttggaa agggggactt gggaggagag tagtgagttg 180
agctttggac aggttgcctt gggactcggt gctttacagc tattggggcc tataatggat 240
gttgaatgag gaagtgatag tccaaagggg gtattttctg tgtaccatcc tactgagatt 300
tgaatgcaca agaaacaaga tttggcttct aagatccatg tgcttgagat agataacgga 360

ttttgaggc tctn 374

<210> 596
<211> 378
<212> DNA
<213> Homo sapien

<400> 596
cgttgctgtc ggtggcgggc acctgtagtc ccaactactc aagaggttga gacaggagaa 60
ctgcttgagc ccggaaggca gaggttgcag tgagccgaaa tcacgccatt acactccagc 120
ctgggtgacg agcgaaactc cgtctcccaa aaccaaaaaa aagaagagaa aaactctgag 180
ggatcccttg tcctggaagt ggctgaactt gggggtggta caggggagac aactgatggg 240
cctaacgggg tccgtgcaca agggccggtt gtcactgagc tgggctgttg gaaatttttt 300
gctgctcgct ggccacggtc tgtgaatggg aaacacactg aggccgcgta tttttgggct 360
taggcttcct gggggaga 378

<210> 597
<211> 382
<212> DNA
<213> Homo sapien

<400> 597
ggcacgaggt cccttgcttt cccttgaagc gggagaagac ccggcagagg cgctctgtcc 60
gctgcagccg cgcgggtgga ggaggcagag tctgaggtgt gaccccgacc aagtttgacg 120
cttctgtcct cctagggagc aagctcggct gaaggcccac gtcgtagacc gggacaccga 180
ggcgtggcag cgagaccccg ccttctcggg tctgcagagg gtcgggggcg ttgacgtgtc 240
cttcgtgaaa ggggacagtg tccgcgcttg tgcttccctg gtggtgctca gcttccctga 300
gctcgaggta acctgggagg acgccgagct cgaggcgggc ccctcggtgg gctcgggcgt 360
gcggtctccg ggacagggag ca 382

<210> 598
<211> 381
<212> DNA
<213> Homo sapien

<400> 598
ttcgaattcg gcacgagatg tcctcagggc tgcctgtggc caccctgatg ggagacctct 60
gtttgcttct gggccactgc aggttggcct cctcaataca agctgatgtc tgcagggagc 120
gccgcgtgct gggattgcac cacgtgttgg tcacaaatcg aggtcgcctt ttggcctggt 180
ctgctcaggc tggccctgac ccacgtggtt tcctggcttc tgagacgcag cgcattcttc 240
ctgttagcgg tagcgttctc tgtctcaaaa ataataatca aatcaagtat tttaagtttg 300
gctcttttt tcaagaaagg cttttcggat acctaaaata ccttcatgta tgtggcttga 360
attttgtttc agaaaagggg g 381

<210> 599
<211> 378
<212> DNA
<213> Homo sapien

<400> 599
cgttgctgtc ggccagagct taaggctgta cataataatc tgtttcttcc aggagccact 60

tcccccaaga aactccaaag gtattatttc attagcaggg tgccaggtgg ttttggccag 120
ggcctctgca actcttttct ctgtgaccat tttccatttc ggctcatata aatcaacctt 180
tactacaaag ctataaagta aaataatgta attagtgcag ccaactgcag ctgttctcaa 240
actcaatgtc acagccatta cacatgtgaa atatttacag gggttttaat caattttctt 300
tcctgacacc cgtttttcat taaaaattac aaaaataata aatgcacatg gtagtagata 360
cagaagaaca caaggaat 378

<210> 600
<211> 383
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G

<400> 600
ggcacgagat tgaacaccag tatacaataa ctttagggtc atatggatca ttggtttcac 60
gattacagta ggtctggtgc atggcactcc cagatctagt agaggctctg atgtcagtag 120
caggatggag gagagctggg cttacagcct ctcaacttgt tggcccttat accatcactg 180
cactcatgtc cttgctctgt gcagaagtag aatcagaaaa gcatcaggca ccttcatggt 240
ataaattgtg tctatgggtg cagtgaataa gcaaaaatca gaagcagacc ggagggactt 300
ataaaaatag gtacagggtc acaatgggtg cctatatgta gcctgtgaca gataagaagc 360
tgacagtgag acaaacaaaa aan 383

<210> 601
<211> 382
<212> DNA
<213> Homo sapien

<400> 601
ggcacgagca gaagttgtcc tattaacttt ttttttggtc tgaggttatg tacttcttgg 60
gagaaaaagt ggttcttcca tcaatatcaa accttccctt catttctcta gttgaactgg 120
ggcacgagtc ctcctcactc caagcatgtt ggccctccct tcctcgagta gaaatacggc 180
tttccacctt tttatcagaa ctcctattca tgcttctcaa acagggccta ggatagcaga 240
ggctcagcag ccagagggaa acagggagga agctgtttct ccatccccag agatgtaagc 300
tgggcgagag tgtcagggcc tggccatacc actgacctca ggaaaatgag cctgggggac 360
agtactaagg gtgtgggggg tc 382

<210> 602
<211> 382
<212> DNA
<213> Homo sapien

<400> 602
ggcacgaggc ggggcacagt ggctcagtcc tgtaatccca gcaccttggg aaggccaagg 60
tgggaagatc acttgaggct aggagtttga gacaagcctg gccaacatag caagacccca 120
tctctacaaa aataaaaatt ttaaaaaggg ctggggcatt tgagctgggt cccaacagta 180
gacaagtaga aaaggcatgg agagggcata ccaggtggga ggagctgtgt gcaaaggcct 240
ggagatggaa aagcatgctg gccaccagct tctgacaagc agtttagtat gaacggtatg 300

cagggaaaag agggaaggag ggcagagggg tgcgcacgaa gcacccgtag tgtcttaaat 360
gacagcatgg gaacctgtct ct 382

<210> 603
<211> 378
<212> DNA
<213> Homo sapien

<400> 603
ggcacgagct ggggtctagg aactcggctt ctggcacctc tgaattctcc gagactgtct 60
cctccctccc cgcctgtaat gaaccctgtg aagggagaca ggccaggaag tcccagaaat 120
atttattctt gtgactctca caaaatggaa aagggtctca atttttgttt ctttaaagaa 180
cttgtgttct gcgtctgtgt ctacactgcc tcctctcacc aaccaaattg tctagccccc 240
ctccagttac gctagaactc tgctttatct tcaaggaaga aagggagtgg ggagaagtta 300
cctctaaacc ctccagcatg gccatcaatt ttctgaataa tttggaggtc aacatgcttt 360
cggaaaagtg tttggaaa 378

<210> 604
<211> 383
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G

<400> 604
ggcacgaggt ggacccccct gngatcagcc gaggtctgta gaggtgacat tgcagcccag 60
cacctccctc ctccgccctg ccctcctctg tcctccttcc acaggtgtgg ccaagggcac 120
tgcccagttg gcctgtgacc cccagctgag gctgcttcct gggcagctga cttcaagttt 180
gtgacctgag ctctccaggc ccccgagcgg ctggtgcctt ggccctgcag ttctgcggcc 240
aagactcctc ctctgggatc tcgtcttacc ctgctgcggg tgccagggct gcatgaagca 300
agggcgaaag tccccttcgc ccgggcgctg ccctctgcct gctgtccccc gtgctcctgt 360
tccccgtggc tgcccaggga cag 383

<210> 605
<211> 383
<212> DNA
<213> Homo sapien

<400> 605
ccatcgattc gaattcggca cgagccagac tccttcctcc aacccagagc cttctcccat 60
agtatctctt tagcctcttc tgccttctag actgtccctg cctccaggga caccatactc 120
acctggcctt ttccaggagg gcctcctaga ccgaacgcaa gtaagcacag cttctcctga 180
gcccaccctc tactctactt gctccccacc attatttgta aggaaactct tctctttact 240
ccccaacatt ctccatcccc cttccttggc tgcctcctcc cttcttcttc ccagcctatc 300
ctttatgccc cgcacgggct ttcccaccag aactcttggc tcagaaatca gttgggacaa 360
agcccctgtc tcttccagtc tgg 383

<210> 606

<211> 372
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(372)
<223> n = A,T,C or G

<400> 606
ggcacgagag aagagaaggc ccgggggggc cggggagggg gtacccaggc tctgcacagt 60
acccaagggg cttctggcag caggaaggaa gctacacatc agagttgggg acttgtgccc 120
tggggctgcc tggcatctgg gggcctcctc agagccaggg ctctttctgg ttgaggctga 180
gactcactgg tgtcatcagg cccctccatg aatgagacaa acaaaacact tgttgggcct 240
tcggagctcc ccacagcgtc tgctgtggcc cctggcccag gcactggggc tcgggcatgg 300
cctgtgctgg taggatttgt gctgggggct gtggtcctct cgctcctcat tgcacttgct 360
gccaaatgcc an 372

<210> 607
<211> 377
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(377)
<223> n = A,T,C or G

<400> 607
cgattcgaat tcggcaccag agactttaca gagatagtgg ggtgttttaa ggcaggggga 60
ggaactgcac agcccagacc tgggagggag ggatccaggg aaggagagat cctgggaatt 120
gcaatagcag caggcagagg ctgttggttc ctattgtttc ctggctgcta tgaatgactt 180
ggctttaatg actcccaagg ttctggatct ctccagttca natttcaaat tattgacaaa 240
acaatctgna ttgccagctt agtcctaggc atatgccctc gagccaacct ggccaatcaa 300
atattgacaa aacaatctga tgggcagggt ggcctcaggg catatgctag gacaaacttt 360
ggccagatga ggcacat 377

<210> 608
<211> 377
<212> DNA
<213> Homo sapien

<400> 608
cgttgctgtc ggaacttatg gaaaagttct taacagatta tttaaatgac ctccagggtc 60
gcaatgatga tgacgccagt ggcacttggg acttctatgg cagctctgtt tgtgaaccag 120
atgatgaaag tggctatgat gttttagcca acccccccagg accagaagac caggatgatg 180
atgacgatgc ctatagcgat gtgtttgaat ttgaattttc agagaccccc ctcttaccgt 240
gttataacat ccaagtatct gtggctcagg ggccacgaaa ctggctactg ctttcggatg 300
tccttaagaa attgaaaatg tcctcccgca tatttcgctg caattttccc aaccgtgaaa 360
attgcaccca ttgcagg 377

<210> 609
<211> 370
<212> DNA
<213> Homo sapien

<400> 609
ggcacgagcc ctccagccac tgctttatac tctccttctc tggttgaaat ttttgaagta 60
aataggtcac tctgcccatc gttcatcttc cagtcactct gtgtgtttat cttccaggga 120
agtgaggctc tatgctacca agccactgaa ataatttttt ttttttcaa gactccatct 180
caaaaaaggg agatgattta caaaattaag ccaggggggg ccccacacct gaggcccagc 240
tattggaagc ctaagcggga agatggccct acctgggagg gcaggctgcg ggagccagaa 300
ggcccccctg cctccaaatt ggggacaaac aggaccttgc taaaaaaaaa ggggtggtta 360
attttcaaaa 370

<210> 610
<211> 370
<212> DNA
<213> Homo sapien

<400> 610
tacggctgcg agaagacgac agaaggggga aatggggctg ggggccgtcc ccgggagaca 60
ggcggccttc cgagagggac tggagcaggc cgtgcggagt gggcattgct tgatgggcag 120
gaagttgagt gttccttgca agggtgctgt ggcaagagga ggcctggtgt atttggcagc 180
gttcctgagg ctggacatga tccacctgat ggctggtcga gtaccccagg gagctgatcg 240
aatagcagtc aaggctgaga tggaaggccg ttttctggag aacctgaggc atgcagctgg 300
ggttttggct caagaggacc tcgtgggact gctgggagcc catcacaccc gcatcactga 360
cccccagtat 370

<210> 611
<211> 368
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(368)
<223> n = A,T,C or G

<400> 611
ggcacgagga agaagcggag ccagggctga gatcccgaag gcgggcgagg tctgggatgg 60
ggcggggcct atgggagcgg ggctgaagcc ctgggcccgg cagaggaagg tcgagatgga 120
ccatgttggg ccccttctct ccccgccccc aggccgcagt tcgggggcca cgccccggcg 180
tgctcgggtc accgcgggaa gcccttgaac cccctggcgc ccggcaccca cgtgcggtaa 240
ccgcggctcc tcgagagctc cagggatgcg gatctacagt aagggctgtg gccagatgaa 300
tgaatgcaca ttttttagtg ggcagaaaga tgttaaattc atgattagaa tangcacaaa 360
ggaggcgg 368

<210> 612
<211> 379
<212> DNA
<213> Homo sapien

<400> 612
ggcacgaggc agcggcgagg agtgaacacc tggctgcagg tgacggcctg caggaaggag 60
gcgaagatgg ccccagggaa ccaaagaggc tttgccgacc cccgggagag gaggaggtgg 120
actgggaacc cctggccaaa ttccgagcag cctgcgggcc agagctggca gacctggtgg 180
ctgaggagtt ggcctttgct aggcagcatg ggacccgggg tttccactgg accggagctg 240
gctttgccct taaggacggc acctcggact tcttcctgga tggggccctg acacgctgca 300
gctgctcaat tcacgccgcc cgccgtctgc cctgcagaca cctctttgca gcgcgcctcc 360
tcactggggc tgccttatg 379

<210> 613
<211> 380
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(380)
<223> n = A,T,C or G

<400> 613
gattcgaatt cggcacgagg cggtaccccg catctcgctc tggccgcccc agaggttcgc 60
ggcttctgga cctgctgtgc ccctctccag cctggatcag gacggagaac acccccgaaa 120
cccacctcac cagcacagcc ggcggaccct tccggaggtg gccgcagaga ctagccaact 180
tgcgcgcccg ccgacccgga ccacagctcc cagcacacct caagggccca cgcccgccag 240
gactacaatt cccggcgtcc tccggaagct caagtgtacc caggcgcggt gcctgctggg 300
aattgtagtt gacgttggtc agcacggaag ccacaggatc ccagcccggc ctttgntgga 360
ctgangtggc gctgagtgga 380

<210> 614
<211> 369
<212> DNA
<213> Homo sapien

<400> 614
ggcacgaggg aagtgcaaag acttccggtc ggcgtgagcg tgaggtgtgg gtgttcgttt 60
ctcaggtaaa acatggctaa aagcttacgg agtaagtgga aaagaaagat gcgtgctgaa 120
aagagaaaaa agaatgcccc aaaggaggcc agcaggctta aaagtattct caaactagac 180
ggtgatgttt taatgaaaga tgttcaagag atagcaactg tggtggtacc caaacccaaa 240
cattgccaag agaaaatgca atgtgaggta aaagatgaaa aagatgacat gaaaatggag 300
actgatatta agagaaacaa aaagactctt ctagaccagc atggacagta cccaataatg 360
atgaccaag 369

<210> 615
<211> 374
<212> DNA
<213> Homo sapien

<400> 615
ggcacgagcc tacctgaggc gggagccctg ggcttggtca cttcccacct tccagatgta 60
ttaaaatacc ggaggaggag ttagcctttc tggatgtcct cattatctaa caacccctcc 120

ctttgatttt taaatcctca caggacgcgt gaccaaaacc aaagacggcc atgaagtgag 180
atcgtgcaaa gtagcagata aaacgggcag catcactatt tccgtgtggg atgagatcgg 240
aggtcttata cagccagggg atattattcg gttgaccaga gggtatgcat ccatgtggaa 300
aggatgtctg acactttata ctggaagggg tggtgaactt caaaaaattg gggaattttg 360
tatggtttat tcag 374

<210> 616
<211> 382
<212> DNA
<213> Homo sapien

<400> 616
ggcacgaggt tgggcgagat gaagctacac tgtgaggtgg aggtgatcag ccggcacttg 60
cccgccttgg ggcttaagaa ccggggcaag ggcgtccgag ccgtgttgag cctctgtcag 120
cagacttcca ggagtcagcc gccggtccga gccttcctgc tcatctccac cctgaaggac 180
aagcgcggga cccgctatga gctaagggag aacattgagc aattcttcac caaatttgta 240
gatgagggga aagccactgt tcggttaaag gagcctcctg tggatatctg tctaagtaag 300
gccatttcca gcagtttaaa aggtttcctt tcagctatga gactggctca tagaggctgt 360
aatgttgata caccagtttc aa 382

<210> 617
<211> 383
<212> DNA
<213> Homo sapien

<400> 617
cgattcgcgc cggccgccct gcgtacgctc gcaaggcgct cgcagactcc ggagtcgcca 60
acatgtcgac cgccatgaat ttcgggacca agagcttcca gccgcggccc ccggacaagg 120
gcagcttccc gctggatcac ttaggtgaat gtaaaagctt taaagagaaa ttcatgaagt 180
gtcttcataa caataatttt gaaaatgctt tgtgcagaaa gggatcaaaa agatatttag 240
aatgcaggat ggagaagaaa ttgatgctaa cagaccattg aagaaactgg atttggagac 300
ttgactagtg aaaatcaaga gcaaaaaatg aatttgatga aagacccttg gccgggtcag 360
ggtctctcag acggaggcac atc 383

<210> 618
<211> 372
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(372)
<223> n = A,T,C or G

<400> 618
ggcacgagta ggaggagatg actcagaccc cagatcagag aacgaagccc ccaggagggg 60
ctggagttag aagtccggtg gccttgggac gggggtgacc ctgacgaggg tcagcagggg 120
cgaaagcagc agagcaggga cagaacttca gtcccatgaa accttgacag gcgcgaactt 180
ccagaggtct ggctggccca tgtgcagcag gccgctgaag ggcgaggtgc tccactggaa 240
cgggggcacc tggtcccacg tgggaccgct ggccgccagc aggctcagga tcctggccag 300
tgacatgctg gtcaccttca catcgatacc cccatgggag cgctgacgca ngggcctgga 360

ggggtangag cc 372

<210> 619
<211> 373
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(373)
<223> n = A,T,C or G

<400> 619
ggcacgaggg aagatctgca gacacctgtt ccacgtgctg gcacacatct actgggccca 60
cttcaaggag acgctggccc tggagctgca cggacacttg aacacgctct acgtccactt 120
catcctcttt gctcgggagt tcaacctgct ggaccccaaa gagaccgcca tcatggacga 180
cctcaccgag gtgctatgca gcggggccgg cggggtccac agtgggggca gtggggatgg 240
ggccggcagc gggggcccgg gagcacagaa ccacgtgaag gagagatgag ccccccgggc 300
cggacagggg cacacgtgtg caaagagacg gtggggtgtg ttctcttctg catctgcgtg 360
tgcacacatg tgn 373

<210> 620
<211> 373
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(373)
<223> n = A,T,C or G

<400> 620
cccatcgatt cgaattcggc acgaggcttc gcggccagcg ccgctggcaa ctgcagtacc 60
ctgggcaaga tcctggtgca agtcccacca cggttcgtga acaaggtccg ggcctcaccc 120
tttgtggagg gagaggacgc ccagttcacc tgcaccatcg aaggcgcccc gtacccgcag 180
atcaggtggt acaaggacgg ggccctgctg accactggca acaagttcca gacactgagt 240
gagcctcgca gcggcctgct agtgctggtg atccgggcgg ccagcaagga ggacctgggg 300
ctctacnagt gtgagctggt gaaccggctg ggctccgcgc gggctagtgc ggagctgcgc 360
attcagagcc ccn 373

<210> 621
<211> 380
<212> DNA
<213> Homo sapien

<400> 621
ggcacgaggg aacaacctgg gcaggatccc acctcagacg acgtcatgga ctcgttcctg 60
gaggagttcc agagccagcc ttaccgtggc ggctttcatg aggaccagtg ggagaaggcc 120
aagacctata aagatgaggg caatgattac tttaaagaaa aagactacaa gaaagctgta 180
atttcataca ctgaaggctt aaagaagaaa tgtgcagatc ctgatttgaa tgctgtcctt 240
tataccaacc gggcagcagc acagtactat ctgggcaatt ttcgttctgc tctcaatgat 300

gtgacagctg ccagaaagct aaaaccctgc cacctcaaag caataataag aggtgcctta 360
tgccatctgg aactgaaaca 380

<210> 622
<211> 383
<212> DNA
<213> Homo sapien

<400> 622
ccatcgattc gaattcggca cgaggccagg atcctgagga atgtgagtga gtgtttcctg 60
gcccgggaga tgggctactt ctcccagtac gtggcctggg tgagagagga ggtgactcag 120
cgcattgcca cctgccagcc cctctccgga gccctggaca acagccgtgt gatcctgtgt 180
gacatgatgg ctgacccctg gaatgccttc tggttctgcc tggcatggtg caccttcttc 240
ctgatcccca gcatcatctt tgccgtcaag acctccaaat acttccgtcc tatccggaaa 300
cgcctcagct ccaccagctc tgaggagact cagctctttc acatcccccg ggttacctcc 360
cttaagcttg taggcccttg ggg 383

<210> 623
<211> 384
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(384)
<223> n = A,T,C or G

<400> 623
ggcacgagat ctgaccctag gccacaatca gagaatggaa ttcctaggtg actccataat 60
gcaactggta gccacagagt acttattcat tcatttccca gatcatcatg aaggacactt 120
aactttgttg cgaagctctt tggtgaataa tagaactcag gccaaggtag cggaggagct 180
gggcatgcag gagtatgcca taaccaacga caagaccaag aggcctgtgg cgcttcgcac 240
caagaccttg gcggaccttt ntgaatcatt tattggcggc gctgacaatg ataaggaatt 300
ggaataatgt catactttca tgaatggctg cctcctttca cgatggaaga agtcaattgg 360
atcaggaatg gaatggaccc caat 384

<210> 624
<211> 358
<212> DNA
<213> Homo sapien

<400> 624
ggcacgagct atcatctatc tatctatcta tctatctatc tatctatcta tctatctatc 60
tatctaaatg acctgacaga agaaaactgt taaaaatgga tattattgga ggggatttaa 120
aacagtgggt gtgaattatc attctgatgg aaagaaaata gcaaaacaat gtgttacaag 180
tatttgctaa taaacagtat actgccagct tctaattgct ttttgatgta tgaaaggctt 240
atataatttt cttttcgttg ggtgactttt gccagatgag aggaggtggc acaatggtga 300
atgcaaggca cagtcctagc cttctgtggg tatacttttg gagttgtgac ttggctgg 358

<210> 625
<211> 354

<212> DNA
<213> Homo sapien

<400> 625
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gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 120
gagagagttt tctctctcgc gcgctcttct cttttgtgca agagagggtg gtgtttttt 180
ttttttgga cacgcgcctt tgtttttttt tgtgtggctc tctctcgcgc tttagctcct 240
ctctctcgcg gtgtcacgca tactctctct ctctctcgcg cgtgtgtgag agtcttttt 300
ttttttgcgc cgtgcatttt ttgtctttca ccccccccctg tgggggcgtt tctc 354

<210> 626
<211> 359
<212> DNA
<213> Homo sapien

<400> 626
ggcacgaggc ggacttgggc ggccacaggt aactttctcg caaggagctg aattctttca 60
ctaaagggta caagcccgag ggacgagctg cgcgatgatt ggctggggag ctccctcagg 120
tgagctgcca ttggcagagg cgcgctcagg taaggccctt ctccaagtgc aggtaactca 180
ctccgaagtt tacctgagtg gagcggcggc atgcttgcag ctcggcggca gcctgtgaga 240
gctgagggtc agttcttcga gtagatctca agctgcgttt tcctccttct ccaaagcagg 300
gatgggaagg tggaggctac tggttgaaga gaagaaaggg gttgggggaa tgcaacacc 359

<210> 627
<211> 362
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(362)
<223> n = A,T,C or G

<400> 627
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tcaaccgggc tgaggcggac acttctgtgg agcgaagcag tgggagcatc gagcactaga 120
ggcggcaccg ggatccccgg ctccggggag gggggcgccg gaccgggagg aggggagggg 180
gcgatgctgg aagccatggc ggagcccagt cccgaagatc cacctccgac ccttaagcca 240
gagactcagc caccagagaa acggcggaga acaattgagg atttcaacaa attctgcagt 300
tttgttttgc atatgctggt tacattcccc ctagcaaaga ggaaagtgac tggccagcct 360
cn 362

<210> 628
<211> 354
<212> DNA
<213> Homo sapien

<400> 628
actacggctg cgacatgacg acagacgggg ctgggtacct acgatgtcct ggctggatac 60
ggtgtaaaga cttctctagg gagacagatg gattagggaa tggtggatgg accacactgg 120